



**NABIRA**  
**MAHAVIDYALAYA KATOL**

## **Criterion 1 - Curricular Aspects**

### **1.1 - Curricular Planning and Implementation**

**1.1.1 - The Institution ensures effective curriculum delivery through a well-planned and documented process**

# NABIRA MAHAVIDYALAYA, KATOL

Distt. Nagpur (M.S.) Pin - 441 302



Graduation & Post Graduation in Arts, Commerce, Science & Management

Phone : 07112 - 222004 / 222164 Fax : 07112-222004

Email : nmv.college@rediffmail.com Website : www.nabiramahavidyalayakatol.com



Ref. No. :

Date : 26/12/2022

## DECLARATION

This is to declare that the information, reports, true copies and numerical data etc. furnished in this file as supporting documents is verified by IQAC and found correct.

Hence this certificate.

Dr. Punit Raut  
Co-Ordinator  
IQAC, NMV Katol

Dr. S. K. Navin  
Principal  
Nabira Mahavidyalaya,  
Katol



NAGPUR UNIVERSITY

No. 1028 CS/MCUD/603  
Dt-24 February, 1998

To

The Principal,  
Nabira Mahavidyalaya,  
Katol, Dist.-Nagpur.

Ref:- Your Application for Permanent Affiliation.

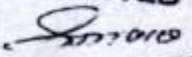
With reference to above, this is to inform you that your application for Permanent Affiliation has been processed as per the provisions of Section 88 of the Maharashtra University Act, 1994 and Direction No.3,1997 issued by the Hon'ble Vice-Chancellor. A committee constituted by the Board of College & University Development has scrutinised the infrastructural, facilities, academic, administrative and financial standards of your college. The report of the Committee was considered and approved by the Board of College & University Development in its meeting held on 21st November, 1997 and thereafter by the Academic Council in its meeting held on 29th November, 1997. Accordingly, your college has been accorded permanent Affiliation in the Faculties and subjects given below only :

Sl. No.	Faculty	Courses/Subjects
1	Faculty of Commerce (For H. Com. Classes)	Compulsory English, Compulsory Marathi, Economics, Accounts and Statistics, Commerce Business Admin. and Business Management
2	Faculty of Arts (For B. A. Classes)	English, Marathi, Marathi Litt., English Litt., Economics, History, Political Science, Home Economics
3	Faculty of Science (For B. Sc. Classes)	Compulsory English, Compulsory Marathi, Physics, Chemistry, Zoology, Botany, Electronics, Mathematics



(N.S. Bhave)  
Registrar  
Nagpur University - Nagpur.

  
**ATTESTED**  
Principal  
Nabira Mahavidyalaya, Katol.

**ATTESTED**  
  
Principal  
Nabira Mahavidyalaya  
Katol.



### राष्ट्रमंत तुकडोजी महाराज नागपूर विद्यापीठ

(सेंट्रल प्रोव्हिजन्स शासन, शिक्षण विभागाची अधिनियम क्रमांक ५१३ दिनांक १ ऑगस्ट, १९२३ द्वारा स्थापित, व महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ (सन २०१७ वा महाराष्ट्र अधिनियम क्रमांक ६) द्वारा संचालित राज्य विद्यापीठ)

### महाविद्यालय विकास विभाग

छत्रपती शिवाजी महाराज प्रभाषकीय परिमर, रविंद्रनाथ टागोर मार्ग, नागपूर - ४४०००१  
दुरध्वनी क्रमांक: ०७१२-२५२९९३२ फॅक्स नं: ०७१२-२५५५००१, E-mail ID: infoarcollege@gmail.com

दिनांक : 18-08-2021

क्र.म.वि./७६९

प्रती,

प्राचार्य,  
नविरा महाविद्यालय  
धंतोली ता.- काटोल, जि.- नागपूर - 441302

विषय :- निरंतर संलग्निकरण प्रदान करणेबाबत.

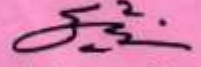
संदर्भ :- १. विद्यापीठ पत्र क्र. क्र.म.वि./४२६ दि. 03-07-2021 रोजीचे पत्र.  
२. आपले पत्र क्र. निरंक दि. 17-07-2021 अन्वये दाखल केलेले अपील.

महोदय/महोदया,

आपले उपरोक्त संदर्भांकीत अपीलाचे अनुषंगाने आपणास कळविण्यात येते की, महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ च्या कलम ११४ नुसार आपल्या महाविद्यालयातील चालू अभ्यासक्रमाचे निरंतर संलग्निकरण सत्र २०२०-२१ करिता वाढविण्यासाठी आपण दिनांक 29-10-2020 रोजी शैक्षणिक अंकेक्षणकारिता सादर केलेल्या अर्जाचे अनुषंगाने पडताळणी समितीने महाविद्यालयास प्रत्यक्ष भेट देवून सादर केलेल्या अहवालावर शैक्षणिक अंकेक्षण समितीने केलेल्या शिफारशीनुसार आपल्या महाविद्यालयातील खालील प्रमाणे नमुद अभ्यासक्रमांचे संलग्निकरण नाकारण्याची शिफारस केली होती. त्यावर आपण अपील दाखल केली असता अधिष्ठाता मंडळाद्वारे आपण अपीलाच्या समर्थनार्थ सादर केलेल्या पुराव्यांमुळे समाधान झाल्याने आपली अपील मान्य केलेली आहे. व विद्या परिषदेच्या वतीने मा. कुलगुरूंनी महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ च्या कलम १२(७) अंतर्गत दि. 05-08-2021 रोजी खालील प्रमाणे नमूद केलेल्या अभ्यासक्रमांना अभ्यासक्रमांना सत्र २०२१-२२ पासून २०२३-२४ पर्यंत निरंतर संलग्निकरण प्रदान करण्यास मान्यता दिली आहे.

अ.क्र. विद्याशाखा	अभ्यासक्रम / विषय / प्रवेश क्षमता	वर्ष	
1	बाणिज्य व व्यवस्थापन	बॅचलर ऑफ बिजनेस अॅडमिनीस्ट्रेशन[As Per Syllabus] - 120 विद्यार्थी	सत्र २०२१-२२ करिता
2	विज्ञान व तंत्रज्ञान	मास्टर ऑफ सायंस (गणित)[As Per Syllabus] - 22 विद्यार्थी, मास्टर ऑफ सायंस (कॅम्पेस्ट्री) [[रसायन शास्त्र] ] - 22 विद्यार्थी	मास्टर ऑफ सायंस (गणित) सत्र २०२१-२२ करिता व मास्टर ऑफ सायंस (कॅम्पेस्ट्री) सत्र २०२१-२२ ते २०२३-२४ पर्यंत
3	मानवीय शाखा	मास्टर ऑफ आर्ट्स (इतिहास)[As Per Syllabus] - 80 विद्यार्थी, मास्टर ऑफ	सत्र २०२१-२२ ते २०२३-२४

आपला विश्वासू,



( डॉ. रमण मदन )

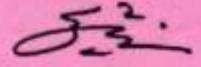
उपकुलसचिव  
(अति.कार्य)

रा.तु.म. नागपूर विद्यापीठ, नागपूर

प्रत माहितीकरिता अत्रेपित :-

१. मा. संचालक(परीक्षा व मुल्यमापन मंडळ), रा.तु.म. नागपूर विद्यापीठ, नागपूर

आपला विश्वासू,



( डॉ. रमण मदन )

सहायक कुलसचिव (म.वि.)

रा.तु.म. नागपूर विद्यापीठ, नागपूर



### राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ

(सेंट्रल प्रोव्हिनेस सामन, शिक्षण विभागाची अधिनियम क्रमांक ५१३ दिनांक १ ऑगस्ट, १९२३ द्वारा स्थापित, व महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६(सन २०१७ चा महाराष्ट्र अधिनियम क्रमांक ६) द्वारा संचालित राज्य विद्यापीठ)

### महाविद्यालय विकास विभाग

छत्रपती सिबाजी महाराज प्रशासकीय परिसर, रविंद्रनाथ टागोर मार्ग, नागपूर - ४४०००१  
दुरध्वनी क्रमांक: ०७१२-२५२९९३२ फॅक्स नं: ०७१२-२५५५७०१, E-mail ID: info@college@gmail.com

दिनांक : 11-08-2021

क्र.म.वि./७२४

धनी,

प्राचार्य,  
नबिरा महाविद्यालय  
धंतोली ता.- काटोल, जि.- नागपूर - 441302

विषय :- महाविद्यालयाचे शैक्षणिक अंकेक्षणानुसार निरंतर संलग्निकरण प्रदान करणेबाबत.

महोदय/महोदया,

महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ च्या कलम ३७(j),(k) व ११४ नुसार आपल्या महाविद्यालयातील चालु अभ्यासक्रमांचे निरंतर संलग्निकरण सत्र ३०३१-२३ करिता बाडविण्यासाठी आपण दि.29-10-2020 रोजी शैक्षणिक अंकेक्षण करण्याकरिता सादर केलेल्या अर्जाच्या संदर्भात आपणांस कळविण्यात येते की, पडताळणी समितीने महाविद्यालयास प्रत्यक्ष भेट देवून सादर केलेल्या अहवालावर शैक्षणिक अंकेक्षण समितीने केलेल्या शिफारशीस अधिष्ठाता मंडळाने तसेच विद्या परिषदेच्या वतीने मा. कुलगुरूंनी महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम २०१६ च्या कलम १२(७) अंतर्गत आपल्या महाविद्यालयाला खालील प्रमाणे नमूद अभ्यासक्रमांचा निरंतर संलग्निकरण काळ बाडविण्यास दि.05-08-2021 ला मान्यता दिली आहे. अधिष्ठाता मंडळाने तसेच विद्या परिषदेच्या वतीने मा. कुलगुरूंनी खालील प्रमाणे नमूद केलेल्या अभ्यासक्रमांना सत्र ३०३१-२३ पासून ३०२३-२४ पर्यंत निरंतर संलग्निकरण प्रदान करण्यात येत आहे.

अ.क्र. विद्याशाखा	अभ्यासक्रम / विषय / प्रवेश सगता	वर्ष
1	मानवीय शाख बी.ए.((फिलॉसॉफी) ]	सत्र २०२१-२२ ते २०२३-२४ पर्यंत
2	वाणिज्य व व्यवस्थापन बॅचलर ऑफ कॉमर्स[As Per Syllabus]-120 विद्यार्थी, मास्टर ऑफ कॉमर्स[As Per Syllabus]-80 विद्यार्थी, मास्टर ऑफ बिजिनेस अॅडमिनीस्ट्रेशन[As Per Syllabus]-60 विद्यार्थी	सत्र २०२१-२२ ते २०२३-२४ पर्यंत
3	विज्ञान व तंत्रज्ञान मास्टर ऑफ सायंस (मायक्रोबायोलॉजी)[As Per Syllabus]-22 विद्यार्थी, बॅचलर ऑफ सायंस[बायोलॉजी] (वैशिकतंत्रज्ञान) (रसायन शाख) (सणित) (सूक्ष्मजिव	सत्र २०२१-२२ ते २०२३-२४ पर्यंत

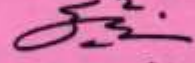
8/23/2021

Rashtrasant Tukadoji Maharaj Nagpur University

शाख (भौतिक शाख) (प्राणीशाख) (इंग्रजी) (मराठी) ]-100 विद्यार्थी, मास्टर ऑफ  
सायंस (फिजिक्स)](भौतिक शाख) ]-22 विद्यार्थी

टिप : बी.ए- (२२० प्रवेश क्षमता), बी.कॉम- मराठी माध्यम (१२० प्रवेश क्षमता) व बी.एस.सी.-(१२० प्रवेश क्षमता) या अभ्यासक्रमास कायम संलग्निकरण प्राप्त आहे. तसेच वरील नमुद एम. कॉम अभ्यासक्रम (मराठी व इंग्रजी माध्यम) प्रत्येकी ८० प्रवेश क्षमता आहे.

आपला विश्वासू,



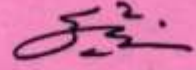
( डॉ.रमण मदन )

उपकुलसचिव  
(अति.कार्य)

रा.तु.म. नागपूर विद्यापीठ,नागपूर

प्रत भाद्रितीकरिता अरोपित :-

१. मा. संचालक(परीक्षा व मुन्यमापन मंडळ), रा.तु.म. नागपूर विद्यापीठ,नागपूर



( डॉ.रमण मदन )

सहायक कुलसचिव (म.वि.)

रा.तु.म. नागपूर विद्यापीठ,नागपूर



# NABIRA MAHAVIDYALAYA, KATOL

Distt. Nagpur (M.S.) Pin - 441 302



Graduation & Post Graduation in Arts, Commerce, Science & Management

Phone : 07112 - 222004 / 222164 Fax : 07112-222004

Email : nmv.college@rediffmail.com Website : www.nabiracollegecampus.com



**[Translated letter of affiliation as per the IIQA recommendations]**

**Rashtrasant Tukadoji Maharaj Nagpur University**

**College Development Section**

No. C. D. / 769

Date: 18/08/2021

To,

The Principal,

Nabira Mahavidyalaya,

Dhantoli Katol.

Subject:- Granting continuation of affiliation ...

References:-

1. University Letter No. College Section / 426 Dt. 03/07/2021
2. Appeal done through your letter no. received on Dt. 17/07/2021

Sir/Madam,

With reference to your appeal you are informed that as per the Maharashtra Public University Act, 2016 Clause 114 your application dated 29/10/2020 for extension of continuation of ongoing courses in the college and after Local Enquiry Committee having visited the college rejected continuation of affiliation after academic audit done for the below mentioned courses. On your appeal submitted through supporting documents & evidences the board of deans accepted your appeal. Honorable Vice Chancellor on behalf of academic council under Maharashtra Public University Act, 2016 Clause 12(7) on 05/08/2021 is pleased to grant continuation of affiliation to the below mentioned courses from the session 2021-22 to 2023-24.

<b>Sr. No.</b>	<b>Stream</b>	<b>Courses / Subject / Intake Capacity</b>	<b>Year</b>
<b>1</b>	Commerce & Management	Bachelor of Business Management / [As per the Syllabus] / 120 Students	Session 2021-22
<b>2</b>	Science & Technology	Master of Science (Mathematics) / [As per the Syllabus] / 22 Students	Master of Science (Mathematics) Session 2021-22 to 2023-24
		Master of Chemistry (Chemistry) / [As per the Syllabus] / 22 Students	Master of Science (Chemistry) Session 2021-22 to 2023-24
<b>3</b>	Humanities	Master of Arts (History) / [As per the Syllabus] / 80 Students	Master of Arts (History) Session 2021-22 to 2023-24
		Master of Arts (English) / [As per the Syllabus] / 80 Students	Master of Arts (English) Session 2021-22 to 2023-24



  
**Principal**  
**Nabira Mahavidyalaya,**  
**Katol, Dist. Nagpur.**

# NABIRA MAHAVIDYALAYA, KATOL

Dist. Nagpur (M.S.) Pin - 441 302

Graduation & Post Graduation in Arts, Commerce, Science & Management

Phone : 07112 - 222004 / 222164 Fax : 07112-222004

Email : nmv.college@rediffmail.com Website : www.nabiracollegecampus.com



**[Translated letter of affiliation as per the IQA recommendations]**

**Rashtrasant Tukadoji Maharaj Nagpur University**

**College Development Section**

No. C. D. / 724

Date: 11/08/2021

To,  
The Principal,  
Nabira Mahavidyalaya,  
Dhantoli Katol.

Subject- Granting continuation of affiliation as per Academic Audit of the college.

Sir/Madam,

As per Maharashtra public university Act 2016 clause 37(J), (K) and 114 your letter dated 29/10/2020 for extension of continuation of affiliation for ongoing courses of the college, the Local Enquiry Committee (LEC) having visited your college and submitted its academic audit report of recommendation, on which the board of deans too recommended. On behalf of academic council Honorable Vice-chancellor as per Maharashtra Public University Act 2016 clause 12(7) has sanctioned continuation of affiliation to your college to the below mentioned courses on 5/08/2021.

Honorable Vice-chancellor on behalf of board of deans and academic council grants continuation of affiliation to the below mentioned courses from the session 2021-22 to 2023-24.

<b>Sr. No.</b>	<b>Stream</b>	<b>Courses / Subject / Intake Capacity</b>	<b>Year</b>
<b>1</b>	Humanities	Bachelor of Arts (Philosophy) / [As per the syllabus] / B.A. (Admission strength - 220)	Session 2021-22 to 2023-24
<b>2</b>	Commerce & Management	Bachelor of Commerce / [As per the Syllabus] / 120 Students	Session 2021-22 to 2023-24
		Master of Commerce / [As per the Syllabus] / 80 Students	
		Master of Business Administration / [As per the Syllabus] / <b>60</b> Students	
<b>2</b>	Science & Technology	Master of Science (Microbiology) / [As per the Syllabus] / 22 Students	Session 2021-22 to 2023-24
		Bachelor of Science (Biology) (Biotechnology) (Chemistry) (Mathematics) (Microbiology) (Physics) (Zoology) (English) (Marathi) / [As per the Syllabus] / 100 Students	
		Master of Science (Physics) / [As per the Syllabus] / 22 Students	



  
**Principal**  
**Nabira Mahavidyalaya,**  
**Katol, Dist. Nagpur.**

B. Com - Eng.

नवीन अभ्यासक्रम / विषयांना मान्यता

महाराष्ट्र शासन  
उच्च व तंत्र शिक्षण विभाग  
शासन आदेश क्रमांक एनजीसी २०११/(११८/११)/मशि-४  
मंत्रालय विस्तार भवन, मुंबई ४०० ०३२  
दिनांक : ९ ऑगस्ट, २०११

<b>RECEIVED</b>	
NABIRA MAHAVIDYALAYA KATOL	
No.	९४४
Date.	०२/०९/११

- पहावे : १) राष्ट्रसंत तुकडोजी महाराज, नागपूर विद्यापीठ, नागपूर यांचे  
पत्र क्रमांक : म.वि.वि.म/म.वि/पी/२०११/१३२, दिनांक २९/४/२०११,  
२) एस.एन.डी.टी. महिला विद्यापीठ, मुंबई यांचे पत्र क्रमांक :  
ॲफी.जन.१/शासकीय पत्रव्यवहार/२०११-१२/११२, दिनांक २९/४/२०११,  
३) डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद यांचे पत्र क्रमांक :  
शैक्ष/संलग्न/एमएनएम/२०१०-११/३७०४-०६, दिनांक २८/४/२०११,  
४) संत गाडगेबाबा अमरावती विद्यापीठ, अमरावती यांचे पत्र क्रमांक  
संगान्नाअवि/८/सी-९२७/२०११, दिनांक २८/४/२०११,  
५) उत्तर महाराष्ट्र विद्यापीठ, जळगांव यांचे पत्र क्रमांक : उमवि /५/टि.क्र.०१/१११२/२०११,  
दिनांक २८/४/२०११,  
६) पुणे विद्यापीठ, पुणे यांचे पत्र क्रमांक : सीए/१४५२, दिनांक ३०/४/२०११  
७) शिवाजी विद्यापीठ, कोल्हापूर यांचे पत्र क्रमांक : संलग्नता/टी-२/व्हीवायजे-१६२९७,  
दिनांक २९/४/२०११,  
८) मुंबई विद्यापीठ, मुंबई यांचे पत्र क्रमांक : संलग्नता/मान्यता-२/१९७९/२०११,  
दिनांक २९/४/२०११,  
९) सोलापूर विद्यापीठ, सोलापूर यांचे पत्र क्रमांक : सोला / वृटीवाथ /घोसीयूडी  
/३३३७/६९६, दिनांक २९/४/२०११.

#### शासन आदेश

महाराष्ट्र विद्यापीठ अधिनियम, १९९४ मधील कलम ८३ (५) नुसार कलम ८२(४) प्रमाणे तसेच शासन निर्णय दि. ३/८/२०११ नुसार राज्यातील विद्यापीठांनी अस्तित्वात असलेल्या महाविद्यालयात अभ्यासक्रम/विषय मान्यतेसाठीचे प्रस्ताव शासनास सादर करावयाचे असतात. त्यानुसार शैक्षणिक वर्ष २०११-१२ साठी राज्यातील विद्यापीठांकडून प्राप्त झालेल्या प्रस्तावास विद्यापीठांची शिफारशी विधारात घेऊन महाराष्ट्र विद्यापीठ अधिनियम १९९४ मधील कलम ८२(५) व ८३(५) व शासन निर्णय दि. ३/८/२०११ अन्वये शासनास प्राप्त अधिकारानुसार अस्तित्वात असलेल्या महाविद्यालयात पुढील विवरणात नमूद केल्यानुसार नवीन अभ्यासक्रम / विषयांना मान्यता अटी व शर्तीच्या अधिन राहून कायम विना अनुदान तत्वावर मंजूरी देण्यात येत आहे.

विद्याभारती विश्वविद्यालय, अमरावती

१.	शास्त्रीय विरह शान्ति विज्ञान संस्था, अमरावती.	एम.ए. भाग-१ (हिंदी)
२.	महात्मा फुले कला, वाणिज्य व सीतारामजी चौधरी विज्ञान महाविद्यालय, वरूड, ता. वरूड, जि. अमरावती.	एम. कॉम. भाग-१ (इंग्रजी माध्यम)
३.	जे.डी. पाटील सांगठनिक महाविद्यालय, दर्यापूर, जि. अमरावती.	बी.एस्सी. भाग-१ (मायक्रोबायलॉजी)
४.	भारतीय महाविद्यालय, अमरावती.	एम.एस्सी. भाग-१ (संगणकशास्त्र)
५.	डिग्री कॉलेज ऑफ फिजीकल एज्युकेशन, अमरावती, ता. जि. अमरावती.	बी.ए. भाग-१ (योगशास्त्र)
६.	गो.सि. टोप्पे कला, वाणिज्य महाविद्यालय, चांदूरबाजार जि. अमरावती.	बी.एस्सी. भाग-१ (प्राणिशास्त्र)
७.	भगवंतराव शिवाजी पाटील महाविद्यालय, परतवाडा, ता. अचलपुर शहर, जि. अमरावती.	एम.ए. भाग-१ (इंग्रजी)
८.	श्री शिवाजी विज्ञान महाविद्यालय, अमरावती.	१. एम.एस्सी. भाग-१ (एन्व्हायरमेंटल सायन्स) २. एम.एस्सी. भाग-१ (मायक्रोबायलॉजी)
९.	स्व. मदनगोपाल मुंढडा कला व वाणिज्य महाविद्यालय, चांदूर रेल्वे जि. अमरावती.	एम. कॉम. भाग-१
१०.	श्री ब्रजलाल बियाणी विज्ञान महाविद्यालय, अमरावती.	पोस्ट ग्रॅज्युएट डिप्लोमा इन १. मेकॅट्रॉनिक्स २. बायोमेडीकल इलेक्ट्रॉनिक्स
११.	विद्याभारती महाविद्यालय, अमरावती.	१. एम.एस्सी. (रसायनशास्त्र, पदार्थविज्ञान, खनस्पतीशास्त्र, प्राणिशास्त्र) २. एम.लीब. आय. एस्सी. ३. बी.टेक कॉस्मेटिक्स ४. एम.टेक (१) कॉस्मेटिक्स टेक्नॉ. (२) परफ्यूम (३) हर्बल ५. एम.सी.एम.
१२.	कला व विज्ञान महाविद्यालय, कुन्हा, जि. अमरावती.	१. एम.ए. भाग-१ (इतिहास) २. बी.ए. भाग-१ (भारतीय संगीत)

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औरंगाबाद.	
३१. मोलाना आझाद शिक्षण संस्था संचालित, डॉ. रफिक झेकेरिया सेंटर फॉर हायर लर्निंग अँड रिसर्च, डॉ. झेकेरिया कॉम्प्लेक्स, रोजाबाग, औरंगाबाद.	एम. ए. (इंग्रजी, उर्दू, मानसशास्त्र, समाजशास्त्र, राज्यशास्त्र) एम. कॉम. (व्यवस्थापनशास्त्र) एम. एस्सी. (ऑर्गेनिक केमिस्ट्री, पृथ्वी: क रसायनशास्त्र, इन्डस्ट्रियल रसायनशास्त्र, गणित, सूक्ष्मजीवशास्त्र, सांख्यिकी, संगणकशास्त्र; नॅनो टेक्नॉलॉजी, जि.ओफिजीक्स)
३२. तैरणा महाविद्यालय, उस्मानाबाद.	बी. ए. (शारिरीक शिक्षण)
३३. श्री. माधवराव पाटील महाविद्यालय, मुरुम, ता. उमरगा, जि. उस्मानाबाद.	एम. एस्सी. (भौतिकशास्त्र)

### शिवाजी विद्यापीठ, कोल्हापूर

३४. श्री वारणा विभाग शिक्षण मंडळ, वारणानगर, ता. पन्हाळा, जि. कोल्हापूर. यशवंतराव चव्हाण वारणा महाविद्यालय, वारणानगर, ता. पन्हाळा, जि. कोल्हापूर	बी. एस्सी. भाग-१ (बायोकेमिस्ट्री)
३५. श्री स्वामी विवेकानंद शिक्षण संस्था, कोल्हापूर. २१३०/ई वार्ड ताराबाई पार्क, कोल्हापूर. पद्मभूषण डॉ. वसंतरावदादा पाटील महाविद्यालय, तासगाव, जि. सांगली	बी. एस्सी. भाग-१, (कॉम्प्युटर सायन्स)
३६. आटपाडी एज्युकेशन सोसायटी, आटपाडी. आटपाडी कॉलेज, आटपाडी, ता. आटपाडी, जि. सांगली.	बी. एस्सी. भाग-१, (कॉम्प्युटर सायन्स)
३७. सद्गुरु गाडगे महाराज कॉलेज, कराड	बी. एस्सी (कॉम्प्युटर सायन्स)

### राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर

३८. एस. एस. ई. एस. अमरावतीज सायन्स कॉलेज, काँग्रेस नगर, नागपूर, जि. नागपूर	एम. एस्सी. (भौतिकशास्त्र)
३९. नबीरा महाविद्यालय, काटोल, ता. काटोल, जि. नागपूर	बी. ए. - मानसशास्त्र (ऐच्छिक विषय) बी. कॉम. (माध्यम-इंग्रजी)
४०. नॅशनल कॉलेज ऑफ मॅनेजमेंट, डिगाबाई टाकळी, गोधनी रोड, नागपूर,	बी. बी. ए. - मार्केटिंग मॅनेजमेंट (ऐच्छिक विषय)

### एस. एन. डि. टी.

#### मुंबई विभाग

४१. श्री चंद्रलाल नानावटी वुमेन्स इन्स्टिट्यूट अँड गल्ले हायस्कूल, मनिबेन नानावटी वुमेन्स कॉलेज वल्लभभाई रोड, विले पार्ले (प.), मुंबई - ४०० ०५६	पी. जी. डिप्लोमा इन अर्ली चाईल्ड केअर अँड एज्युकेशन (एक वर्षीय अभ्यासक्रम)
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B.Sc-45

महाराष्ट्र शासन

क्र- नाविसं २००१/विस्तार/(१०/०१)/मशि ३  
उच्च व तंत्र शिक्षण विभाग  
मंत्रालय विस्तार भवन, मुंबई-४०० ०३२  
दिनांक :- १२ जुलै, २००१.

प्रति,  
कुलसचिव,  
नागपूर विद्यापीठ,  
नागपूर.

विषय:- सन २००१-२००२ या शैक्षणिक वर्षापासून संलग्नित  
महाविद्यालयांच्या विस्तारास शासन मंजूरी देण्याबाबत.

संदर्भ:- संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे यांचे पत्र क्र.  
एनजीसी/नवीन/विप्रतु/२००१-२००२/६४३/नागवि/  
मवि-२, दिनांक ३.५.२००१.

महोदय,

संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे यांनी संदर्भाधीन पत्रान्वये शासनास केलेला प्रस्ताव विचारात घेऊन आपल्या विद्यापीठाच्या अखत्यारितील सोबत जोडलेल्या प्रपत्र-अ मधील महाविद्यालयांना त्यांच्या नावासमोर दर्शविलेले नवीन विषय, व प्रपत्र-ब मधील महाविद्यालयांना त्यांच्या नावासमोर दर्शविलेले नवीन अभ्यासक्रम सुरु करण्यास सन २००१-२००२ पासून महाराष्ट्र विद्यापीठ कायदा, १९९४ च्या कलम ८३(५) अन्वये कायम विना अनुदान तत्वावर शासनाची मंजूरी देण्यात येत आहे.

२. शासनाने मान्यता दिलेल्या अभ्यासक्रमांपैकी ज्या अभ्यासक्रमांना विद्यापीठामार्फत केंद्रीभूत प्रवेश पध्दतीने प्रवेश दिले जातात, अशा अभ्यासक्रमांसाठी चालू वर्षासाठी प्रवेश प्रक्रीया पूर्ण झाली असल्यास हे अभ्यासक्रम पुढील वर्षापासून संबंधित महाविद्यालयांनी सुरु करावेत.

३. विद्यापीठाने संलग्नीकरण देण्याबाबत आवश्यक असलेली पुढील कार्यवाही करून पूर्तता अहवाल संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे व संबंधित विभागीय सहसंचालक, उच्च शिक्षण यांना कृपया पाठवावा.

आपला विश्वास,

(श. वि. दुर्वे)

कक्षा अधिकारी, महाराष्ट्र शासन

प्रति,  
संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे  
सहसंचालक, उच्च शिक्षण, नागपूर विभाग, नागपूर  
पाचार्य सोबतच्या प्रपत्र अ व ब मधील सर्व महाविद्यालये

शासन पत्र क्रमांक-नाविसं २००१/विस्तार/ (१०/०१)/मशि-३, दिनांक १२ जुलै, २००१  
 अन्वये सन २००१-२००२ या शैक्षणिक वर्षापासून नवीन विषय  
 सुरु करण्यास शासनाने मंजूरी दिलेल्या महाविद्यालयांची यादी.

प्रपत्र - अ

अ.क्र.	महाविद्यालयाचे नाव	विद्याशाखा व वर्ष	मंजूरी दिलेले विषय
१.	२.	३.	४.
१	पी. डब्ल्यू. एस. कला व वाणिज्य महाविद्यालय, कामटी रोड, नागपूर.	एम. ए. भाग-१	१) पाली वाङ्मय २) इंग्रजी वाङ्मय ३) हिंदी वाङ्मय
२.	डॉ. एम. के. उमाटे कला व श्री. रामचंद्रराव मोखारे वाणिज्य महाविद्यालय, नागपूर.	एम. ए. भाग-१	१) समाजशास्त्र २) इतिहास ३) अर्थशास्त्र ४) राज्यशास्त्र
३.	पोस्ट ग्रेज्युएट इन्स्टिट्युट ऑफ डेव्हलपमेंट स्टडिज, नागपूर.	बी. कॉम. भाग-१ बी. कॉम. भाग-१	१) कॉम्प्युटर ऑप्लिकेशन हिंदी माध्यम
४.	जी. एच. रायसोनी इन्स्टिट्युट ऑफ इन्फॉर्मेशन टेक्नॉलॉजी, नागपूर.	सायन्स	एम. एस. सी. मायक्रोबायॉलॉजी
५.	धरमपेठ एम. पी. देव मेमोरियल सायन्स, नागपूर	बी. एस्सी. भाग-१	१) कॉम्प्युटर सायन्स २) इन्फॉर्मेशन टेक्नॉलॉजी
६.	एस. एफ. एस. कॉलेज, सेमिनरी हिल, नागपूर	एम. एस्सी भाग-१	रसायनशास्त्र
७.	कमला नेहरु महाविद्यालय, नागपूर	एम. एस्सी. भाग-१	इलेक्ट्रॉनिक्स
८.	नबरा महाविद्यालय, काटोल, नागपूर	बी. एस्सी भाग-१ बी. ए भाग-१ बी. कॉम. भाग-१	१) माहिती व तंत्रज्ञान २) कॉम्प्युटर सायन्स १) माहिती व तंत्रज्ञान १) माहिती व तंत्रज्ञान
९.	सती अनुसया माता महिला कला महाविद्यालय, काटोल, नागपूर.	बी. ए भाग-१	१) इंग्रजी वाङ्मय २) मराठी वाङ्मय ३) गृह अर्थशास्त्र
१०.	कला, वाणिज्य महाविद्यालय, मौदा, तः, मौदा, जि. नागपूर.	बी. कॉम. भाग-१	कॉम्प्युटर सायन्स
११.	कै. रा. झां. श्रीखंडे (कै. झेड एस) विज्ञान महाविद्यालय, ब्राम्हणी, ता. कळमेश्वर, जि. नागपूर.	बी. एस्सी भाग-१	१) संगणकशास्त्र २) पर्यावरणशास्त्र
१२.	डॉ. शेषराव वानखेडे महाविद्यालय, मोठागा, ता. कळमेश्वर जि. नागपूर	एम. ए. भाग-१	मराठी
१३.	भालेराव विज्ञान महाविद्यालय, सावनेर, नागपूर	बी. एस्सी.	१) कॉम्प्युटर सायन्स २) मायक्रोबायॉलॉजी

नागपूर विद्यापीठ.

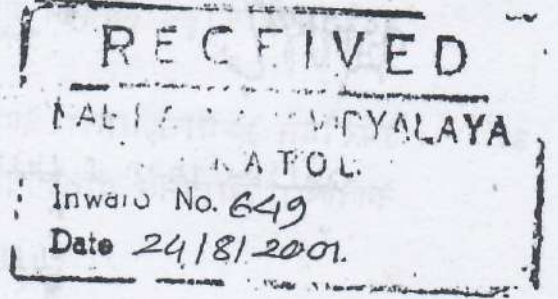
कृ.म.वि./

दिनांक: 20/8/2001

011237

प्रेषण:

सहायक कुलसचिव [म.वि.],  
नागपूर विद्यापीठ,  
नागपूर.



प्रति,

प्राचार्य,  
नबीरा महाविद्यालय,  
काटोल, जि. नागपूर.

विषय:- सत्र 2001-2002 पासून नवीन अभ्यासक्रम/विषय/तुकड्या/विद्यार्थाच्या यांना प्रथम संलग्नता देण्याबाबत.

संदर्भ :- महाराष्ट्र शासनाच्या उच्च व तंत्र शिक्षण विभागाचे पत्र कृ. ना.वि.स./2001/विस्तार/[10/01] मशि-3 मुंबई-32, दिनांक 27 जून, 12 जुलै, 27 जुलै, 2001.

xxx

महोदय,

संदर्भांकित शासन निर्णयानुसार आपल्या महाविद्यालयात सत्र 2001-2002 पासून खालील अभ्यासक्रम/विषय/तुकड्या सुरु करण्यासाठी शासनाने दिलेल्या मंजूरीला अनुसरून महाराष्ट्र विद्यापीठ अधिनियम 1958 च्या कलम 18[5] अन्वये, विद्वत् परिषदेच्या वतीने मा. कुलगुरुंनी संबंधित विषय/अभ्यासक्रम/तुकड्यांना प्रथम संलग्नीकरण प्रदान करण्यास मान्यता दिली आहे.

अ.कृ. विषय/अभ्यासक्रम  
विज्ञान विद्यार्था

1. बी.एस.सी.भाग-1 कॉम्प्युटर सायंस

प्रवेश क्षमता

Attested

Principal  
Mabira Mahavidyalaya  
Katol.

24/8/2001

प्रथम संलग्नीकरण खालील अटीच्या अधीन राहिली.

शासनाने वेळोवेळी दिलेल्या आदेशानुसार विद्यार्थी संख्येचे निकष पाळण्याच्या अटीवर कायम विना अनुदान तत्वावर मंजूरी देण्यात येत आहे.

B.B.A.

B.Sc. B/T/Kn/B

RECEIVED	
NABIRA MAI VIDYALAYA	
KATHE	
No.	1152
Date	22-6-06

महाराष्ट्र शासन

क्रमांक:- नाविस्-२००६/(१०/०६) मशि-३  
उच्च व तंत्र शिक्षण विभाग,  
मंत्रालय विस्तार भवन, मुंबई-४०००३२.  
दिनांक:- ५ जून, २००६.

प्रति,

कुलसचिव,

राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ,  
नागपूर

विषय:- सन २००६-०७ या शैक्षणिक वर्षापासून संलग्नित महाविद्यालयातील  
नवीन विषय / अभ्यासक्रम / तुकड्यांना मान्यता देणेबाबत

संदर्भ:- आपले पत्र क्र. नाविस् २००६/रा/२७२४, दि. २९ मार्च, २००६ चे पत्र.

महोदय,

संदर्भाधीन पत्राने सादर केलेला प्रस्ताव विचारात घेऊन आपल्या विद्यापीठाच्या अखत्यारीतील महाविद्यालयांना त्यांच्या नावासाथीर दर्शविलेले अभ्यासक्रम/ विषय/ तुकड्यांमधुन सुरु करण्यास सन २००६-०७ या शैक्षणिक वर्षापासून सुरु करण्यास महाराष्ट्र विद्यापीठ कायदा १९९४ च्या कलम ६३ (५) अन्वये संस्थेने भविष्यात अनुदानाची विन्या आर्थिक मदतीची मागणी करणार नाही अशा आशयाचे हमीपत्र सादरचालक, नागपूर विभाग नागपूर यांना सादर करण्याच्या अटीवर कायम विना अनुदान तत्वावर शासनाची मंजूरी देण्यात येत आहे.

महाविद्यालयाचे नाव	अभ्यासक्रम/ विषय/ तुकड्या
नाबिरा महाविद्यालय, काटोल, जि. नागपूर	वाणिज्य विद्याशाखा बी. यो. ए. विज्ञान विद्याशाखा बी. एस्सी (ऐच्छिक विषय) बायोटेक्नॉलॉजी. मायक्रोबायोलॉजी

२. विद्यापीठाने संलग्नीकरण देण्याबाबत आवश्यक असलेली पुढील कायदाही करून पूर्तता जहवाल संचालक, उच्च शिक्षण, पुणे व संबंधित विभागीय सहसंचालक, उच्च शिक्षण यांना कृपया पाठवावा.

आपला विश्वासू,

*B. Prasad*

(पि. क. उंसारे)

उप सचिव, महाराष्ट्र शासन

प्रति,

संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे  
सहसंचालक, उच्च शिक्षण, नागपूर विभाग, नागपूर  
प्राचार्य, संबंधित संस्था.



राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ

क.म.वि/१८८३ ०/३१८

दिनांक:- ३०/८/०६

प्रति,

✓ प्राचार्य, नबिरा महाविद्यालय,  
काटोल.

<b>RECEIVED</b>	
NABIRA MAH VIDYALAYA	
K. T. L.	
No.	1300
Date	5-9-06

विषय:- सत्र २००६-०७ पासून नविन अभ्यासक्रम/विषय/ तुकडया यांना प्रथम संलग्नीकरण देण्याबाबत.

संदर्भ:- महाराष्ट्र शासनाच्या उच्च व तंत्र शिक्षण विभागाचे पत्र क. नाविस-२००६/(१०/०६)/मशि-३,  
दिनांक ५ जून २००६/ १ जून २००६/९ जून २००६/१७ जून २००६

महोदय,

संदर्भाकित पत्रान्वये शासनाने आपल्या महाविद्यालयात सत्र २००६-०७ पासून जे अभ्यासक्रम /विषय/तुकडया सुरु करण्यासाठी परवानगी दिलेली आहे. त्यानुसार खालील अभ्यासक्रम/विषय/तुकडयांना मा.कुलगुरुंनी विद्वत परिषदेच्या वतीने म.वि. अधिनियम १९९४ च्या कलम १४ (७) अंतर्गत खालील अटीच्या अधिन राहून सत्र २००६-०७ पासून प्रथम संलग्नीकरण प्रदान करण्यास मान्यता दिलेली आहे.

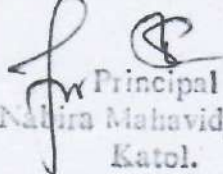
अ.क.

विषय/अभ्यासक्रम/तुकडया

प्रवेश क्षमता

१. बॅचलर ऑफ दिझीनेर अँड मिनिस्ट्रेशनल [बी.बी.ए.] - १ तुकडी [१२० विषयां]
२. बी.एस.सी.-बायोटेक्नॉलॉजी, मायक्रोबॉयोलॉजी [रेचिउक विषय]

**Attested**

  
Principal  
Nabira Mahavidyalaya  
Katol.

प्रथम संलग्नीकरण खालील अटीच्या अधिन देण्यांत येत आहे.

१. उपरोक्त अभ्यासक्रम /विषय /तुकडयांना देण्यात आलेले प्रथम संलग्नीकरण विद्यापीठाद्वारे नेमण्यात येणा-या स्थानिय चौकशी समितीच्या अधिन राहिल.
२. शासनाने वेळोवेळी दिलेल्या आदेशानुसार विद्यार्थी संख्येचे निकष पाळण्याच्या अटीवर कायम विना अनुदान तत्वावर मंजूरी देण्यात येत आहे

An. Eng. Hall

तुकडोजी विषय मंजूरी

महाराष्ट्र शासन  
उच्च व तंत्र शिक्षण विभाग

आदेश क्रमांक एनजीसी २००८/(३२२/०८)/मशि३  
मंत्रालय विस्तार भवन, मुंबई ४०० ०३२  
दिनांक: २२ ऑक्टोबर, २००८

**RECEIVED**  
**NABIRA MAHAVIDYALAYA**  
**KATOL**  
No. 1082  
Date 6-11-08

आदेश

महाराष्ट्र विद्यापीठ अधिनियम १९९४ मधील कलम ८२(४) नुसार विद्यापीठाकडून प्राप्त प्रस्तावांच्या अनुषंगाने व महाराष्ट्र विद्यापीठ अधिनियम १९९४ मधील कलम ८२(५) अन्वये प्राप्त अधिकारानुसार नवीन कला, वाणिज्य, विज्ञान व व्यावसायिक महाविद्यालयांना / नवीन विषयांना शासन आदेश दिनांक १३ जून २००८, १८ जून २००८, १९ जून २००८, २२ जुलै २००८, १५ जुलै २००८, ४ ऑगस्ट २००८, १२ ऑगस्ट २००८, १४ ऑगस्ट २००८, २७ ऑगस्ट २००८, १२ सप्टेंबर २००८ व २४ सप्टेंबर २००८ अन्वये मान्यता देण्यात आली आहे. आता खाली नमूद केलेल्या संस्थांना नवीन महाविद्यालय / नवीन विषयांना खालील अटी व शर्तीच्या अधीन राहून मंजूरी देण्यात येत आहे.

प्रपत्र - अ

८२(५) अंतर्गत नवीन विषय / अभ्यासक्रम यांना मान्यतेचे प्रस्ताव

अ.क्र.	संस्थेचे / महाविद्यालयाचे नांव व पत्ता	विषय / अभ्यासक्रम
डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद		
१)	श्री. छत्रपती शिक्षण संस्था, आडस, ता. केज, जिल्हा बीड वसंत कला, वाणिज्य व विज्ञान महाविद्यालय, केज, जिल्हा बीड	पदव्युत्तर अभ्यासक्रम हिंदी, इतिहास, राज्यशास्त्र
२	ब्रम्हचैतन्य शिक्षण प्रसारक संस्था, औरंगाबाद संचलित राधाई महाविद्यालय, औरंगाबाद	बी.सी.एस., बी.एस.सी. (आय.टी.), एम.एस.सी. (कॉम्प्युटर सायन्स), एम.पी.एम., एम.एम.एस., डी.बी.एम.
राष्ट्रसंत तुकडोजी महाराज विद्यापीठ, नागपूर		
३	नबीरा महाविद्यालय, काटोल, जिल्हा नागपूर	एम.ए. (इंग्रजी), एम.ए. (मराठी)

प्रपत्र - ब

८२(५) अंतर्गत नवीन महाविद्यालय यांना मान्यतेचे प्रस्ताव

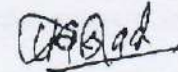
अ.क्र.	संस्थेचे / महाविद्यालयाचे नांव व पत्ता	विद्याशाखा
डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद		
१	ब्रम्हचैतन्य शिक्षण प्रसारक संस्था, औरंगाबाद क. एन.एन. लोनटे विधी महाविद्यालय, ता. अंबेजोगाई जिल्हा बीड	एल.एल.बी. (विधी)
राष्ट्रसंत तुकडोजी महाराज विद्यापीठ, नागपूर		
२	जगन्नाथ बहुउद्देशीय शिक्षण संस्था, भंडारा, जिल्हा भंडारा	विधी एल.एल.बी. ३ वर्ष, एल.एल.बी. ५ वर्ष

क्र.सं.	संस्थेचा / महाविद्यालयाचा नाव व पत्ता	विषय
	पुणे विद्यापीठ, पुणे	
	पुणे जिल्हा शिक्षण मंडळ, पुणे संचालित	बी.बो.ए., बी.सी.ए., बी. एस्सी
**	कला वाणिज्य व विज्ञान महाविद्यालय, मु.पां. करमोरी / पिरंगुट, जिल्हा पुणे	संगणकशास्त्र

अटी व शर्ती :-

- ज्या संस्थांना नवीन पारंपारिक महाविद्यालये मंजूर करण्यात आलेली आहेत, त्या महाविद्यालयांनी त्यांच्या विभागीय सहसंचालकांकडे ते भविष्यात कोणत्याही परिस्थितीत अनुदानाची मागणी करणार नाहीत असे हमीपत्र रु. १००/- च्या नॉन ज्युडीशियल स्टॅप पेपरवर सादर करावे.
- संबंधित विभागीय सहसंचालकांचे हमीपत्र सादर केल्याविषयीचे प्रमाणपत्र प्राप्त झाल्याशिवाय विद्यापीठाने संलग्नतेची प्रक्रिया सुरु करू नये.
- महाविद्यालयांनी कोणत्याही परिस्थितीत मंजूर प्रवेश क्षमतेपेक्षा जास्त प्रवेश देऊ नयेत.
- विद्यापीठाने विहित केलेल्या निकषांनुसार व विद्यापीठ अनुदान आयोगाने विहित केलेल्या शैक्षणिक चात्रतनुसार महाविद्यालयांनी अध्यापक वर्ग/ कर्मचारी वर्ग नेमणे आवश्यक असून इतर सर्व पायाभूत शंगी उपलब्ध कराव्यात.
- सन २००९-१० करीता सादरहू मान्यता अस्तित्वात येतील.
- \*\* अशी खूण केलेल्या संस्थेचा प्रस्ताव विद्यापीठामार्फत प्राप्त झाला नसला तरी परिसरातील गरज व आवश्यकता विचारात घेऊन मान्यता देण्यात येत आहे.
- विद्यापीठाचे संलग्नीकरण देण्याबाबत आवश्यक असलेली पुढील कार्यवाही विद्यापीठांनी करण्यापूर्वी शासनाच्या मान्यतेबाबतचे आदेश शासनाच्या संकेतस्थळावर अवलोकन केल्याशिवाय संलग्नता देण्याची प्रक्रिया सुरु करू नये. विद्यापीठांनी संलग्नतेबाबतचा पूर्तता अहवाल संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे व संबंधित विभागीय सहसंचालक, उच्च शिक्षण, महाराष्ट्र राज्य यांना पाठवावा.
- हे आदेश शासनाच्या [www.maharashtra.gov.in](http://www.maharashtra.gov.in) या संकेत स्थळावर उपलब्ध असून त्याचा संगणक संकेतांक २००८१०२२१८४२२४००१ आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने.



(प्रकाश सुरवेस)

अवर सचिव, महाराष्ट्र शासन

प्रत,

- कुलसचिव, सर्व अकृषी विद्यापीठे
- संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे
- सर्व विभागीय सहसंचालक, उच्च शिक्षण, महाराष्ट्र राज्य
- संबंधित संस्था
- मिनिडनरती (मशि३)



राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ

क्र.म.वि. 1504 C/A31

दिनांक:- 02/9/2011



प्रति. प्राचार्य, नगरीय महाविद्यालय, काटोल, जि. नागपूर

विषय :- सत्र २०११-१२ पासून नवीन विद्याशाखा, अभ्यासक्रम/विषय, अनिरीकृत तुकड्यांना प्रथम संलग्निकरण प्रदान करण्याबाबत.

संदर्भ :- शासन निर्णय क्र. एन जी सी-२००८ (३०० ०८), मशि-३, दिनांक ००१०.०००८

प्रति,

आपणांना कळविण्यात येते की, उपरोक्त संदर्भाकित पत्रानुसार राज्य शासनाने आपल्या संस्थेला सत्र २००९-१० पासून नवीन विद्याशाखा/अभ्यासक्रम विषय/अनिरीकृत तुकड्यांना सुरु करण्यास दिलेल्या परवानगीनुसार व स्थानिय चौकशी समितीने केलेल्या शिफारशीनुसार मा.कुलपुत्रांनी विरुद्ध परिपदेच्या वतीने म.वि. अधिनियम १९९४ च्या कलम १४(७) अंतर्गत नवीन विद्याशाखा अभ्यासक्रम/विषय/अनिरीकृत तुकड्यांना सत्र २०११-१२ पासून प्रथम संलग्निकरण खालील अटीच्या अधिन गहून प्रदान करण्यास मान्यता प्रदान केली आहे.

महाविद्यालयाने नाव	विद्याशाखा, अभ्यासक्रम/विषय/अनिरीकृत तुकड्या	प्रवेश क्षमता
नगरीय महाविद्यालय, काटोल, जि. नागपूर	एम.ए. (इंग्रजी व मराठी)	प्रत्येकी ८० विद्यार्थी

प्रथम संलग्निकरण खालील अटीच्या अधिन प्रदान करण्यात येत आहे

- उपरोक्त नवीन विद्याशाखा, अभ्यासक्रम/विषय/अनिरीकृत तुकड्यांना देण्यात आलेले प्रथम संलग्निकरण विद्यापीठाद्वारे मंडीत स्थानिय चौकशी समितीने महाविद्यालयामे भेट देऊन माटर केलेल्या अहवालाने दर्शविलेल्या वृत्ती विहीन कालावधीत पूर्ण करण्याच्या अटीवर देण्यात येत आहे. (समितीच्या अहवालाची प्रत भोवत जोडलेली आहे.)
- संदर्भाकित शासन परवानगीमध्ये नमूद केलेले संपूर्ण अटीचे पालन संस्थेने महाविद्यालयाने विहीन कालावधीमध्ये पूर्ण करण्याच्या अटीवर संलग्निकरण देण्यात येत आहे.
- महागाष्ट विद्यापीठ कायदा १९९४ मधील कलम ८० (५) व ८३ (५) नुसार ही मान्यता शैक्षणिक वर्ष २०११-१२ साठी देण्यात येत आहे. ही मान्यता फक्त शैक्षणिक २०११-१२ पुरतीच पर्याप्त राहिल. यावर्षी नवीन विद्याशाखा/अभ्यासक्रम/विषय, अनिरीकृत तुकड्या सुरु न केले्यास ही मान्यता आपोआप रद्द होईल.
- विद्यार्थी संख्येने निकष शासन निर्णय क्र. एनजीसी-२००९३ / (५९१८) / मशि-३, दिनांक १९ जून, १९९५ प्रमाणे महाविद्यालयाने वधनकारक गहनील त्याचे उल्लंघन झाल्यास शासन निर्णय टि. २१.०१.२००६ नुसार दंडात्मक कारवाई करण्यात येईल तसेच प्रवेश क्षमतेनुसार ५० टक्के किंवा त्यापेक्षा कमी विद्यार्थी प्रवेशित असल्यास सदर अभ्यासक्रम/विषय अनिरीकृत तुकडी रद्द समजण्यात येईल.
- विद्यापीठाने विहीन केलेल्या निकषानुसार व विद्यापीठ अनुदान आयोगाने विहीन केलेल्या शैक्षणिक पात्रतेनुसार महाविद्यालयांनी अभ्यासक वर्ग कर्मचारी वर्ग नेणे आवश्यक असून इतर सर्व आवश्यक पायाभुन सोयी उपलब्ध करून त्याची खात्री विभागीय सहसंचालकांनी करून विद्यापीठास नसे प्रमाणपत्र देण्याच्या अधिन मान्यता देण्यात येत आहे.
- नवीन व्यावसायिक विद्याशाखा, अभ्यासक्रम/विषय/अनिरीकृत तुकडी मंजूर करण्यात आलेल्या संस्थांनी शैक्षणिक वर्ष २०११-१२ मध्ये नॅक अॅक्रेडिटेशन प्राप्त करून घ्यावे व ने या कालावधीत न मिळाल्यास माटर महाविद्यालयाची मान्यता रद्द होईल या अटीवर मान्यता देण्यात येत आहे.
- उपरोक्त अभ्यासक्रमाची परवानगी प्राचार्य व नियमित शिक्षक भरण्याच्या अटीवर देण्यात येत आहे. प्राचार्य व नियमित शिक्षकांनी नियुक्ती न केल्यास विद्यार्थ्यांना दिलेले प्रवेश रद्द होतील.
- उपरोक्त नवीन विद्याशाखा अभ्यासक्रम विषय/अनिरीकृत तुकड्या कायदा विना अनुदान नन्वावर सुरु करण्यास आपले महाविद्यालय नकार असून त्या आठव्याचे हमीपत्र महाविद्यालयाने विभागीय सहसंचालक (उच्च शिक्षण) नागपूर यांना सादर करण्याचे अटीवर ही मान्यता देण्यात येत आहे.
- प्रथम संलग्निकरण प्राप्त झाल्यानंतर ज्या महाविद्यालयांनी वरील नमूद विविध अटी व शर्तीची पूर्तता केली नाही अशा महाविद्यालयांना पुढील वर्षाकरीता निरंतर संलग्निकरण देना येणार नाही व जर अशा महाविद्यालयांनी पुढील सत्रासाठी प्रवेश प्रक्रिया केल्या तर प्रवेशित विद्यार्थ्यांची परीक्षा विद्यापीठ घेणार नाही व त्यांची सर्वस्वी जबाबदारी महाविद्यालयाची राहिल.
- ज्या अभ्यासक्रमाचे अभ्यासकमीक, अध्यादेश विद्यापीठाने नकार नाही असे अभ्यासक्रम/विषय महाविद्यालयांनी सुरु करू नये.
- कायदा विना अनुदान नन्वावर संस्थेस/महाविद्यालय नवीन विद्याशाखा/अभ्यासक्रम/विषय/अनिरीकृत तुकड्यांना आर्किटेक्चर/चालविणे शक्य कावे यामाठी संस्थेने/महाविद्यालयाने विद्यार्थ्यांकडून विद्यापीठ/शिक्षण शुल्क समितीने उगविलेल्या शब्दानुसार शुल्क आकारावे.
- महाविद्यालयाच्या शांभकामाचे मोजमाप करण्याकरीता अभियंता समिती महाविद्यालयाला भेट देऊन माटर केलेल्या अहवालातील अटीच्या अधिन मान्यता देण्यात येत आहे
- वर्गल सर्व अटीची पूर्तता नसेन पुढील निरंतर संलग्निकरणाकरीता अखिल भारतीय तंत्र शिक्षण परिषद राष्ट्रीय अभ्यासक शिक्षा परिषद, आर कॉन्सिल ऑफ इंडिया इत्यादी शिक्षक संस्थांनी घालून दिलेल्या अटीची पूर्तता विहीन कालावधीत संस्थेने न केल्यास पुढील संलग्निकरण र्शयित होईल व त्याची सर्वस्वी जबाबदारी महाविद्यालयाची/संस्थेची गहनील याची नोंद घ्यावी.
- महाविद्यालयाने माटर नवीन विद्याशाखा अभ्यासक्रम/विषय/अनिरीकृत तुकड्या पुढील वर्षासाठी निरंतर संलग्निकरणाकरीता शासन निर्णय क्र. एनजीसी-२००९३ / (५९१८) / मशि-३ अंतर्गत वृत्ती विद्यापीठाने माटर करावे.

उपरोक्त कळविणे.

आपला

(हस्ताक्षर) ए. ड. भगन

महायक कुलपचिव (म.वि.) -२-

साक्षात्कृत प्राचार्य

नबीरा महाविद्यालय, काटोल



M. A. History

महाराष्ट्र शासन

क्र. नाविस्-०००/अति. तुकड्या/(१९६/२०००)/मशि-१,  
उच्च व तंत्र शिक्षण विभाग,  
मंत्रालय विस्तार भवन, मुंबई - ४०० ०३२.  
दिनांक: १४ ऑगस्ट, २०००.

प्रति,  
कुलसचिव,  
नागपूर विद्यापीठ,  
नागपूर

विषय नबिरा महाविद्यालय काटोल, जि. नागपूर  
अतिरिक्त तुकड्या सुरु करण्यास परवानगी देण्याबाबत.

संदर्भ संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे दि. १०.८.२००० चे पत्र.

महोदय,

संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे यांनी सदरप्रमाण दिनांक १०.८.२००० च्या पत्राने नबिरा महाविद्यालय, काटोल, जि. नागपूर या महाविद्यालयातील काका शाखेमध्ये प्रथम वर्षाकरिता प्रवेशाचा वाढती मागणी असल्याने या महाविद्यालयात प्रथम वर्ष कला शाखेच्या दोन अतिरिक्त तुकड्या तसेच, एम. ए. भाग-१ (इतिहास) एक तुकडी सुरु करण्यास परवानगी देण्याबाबतचा प्रस्ताव शासनास सादर केला आहे.

२. संचालक, उच्च शिक्षण यांनी सादर केलेला प्रस्ताव विचारात घेऊन नबिरा महाविद्यालय, काटोल, जि. नागपूर या महाविद्यालयात सन २०००-०१ या शैक्षणिक वर्षापासून बी. ए. भाग-१ साठी दोन अतिरिक्त तुकड्या व एम. ए. भाग-१ (इतिहास) साठी एक तुकडी महाराष्ट्र विद्यापीठ कायदा, १९९४ मधील कालम ८३(१) नुसार कायम विना अनुदान तत्वावर सुरु करण्यास परवानगी देण्यात येत आहे.

३. विद्यापीठाने सलगनीकरणाबाबत पुढील कार्यवाही करून घेतला अहवाल संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे यांना तसेच संबंधित विभागीय सहसंचालक, उच्च शिक्षण यांना सादर करावा, ही विनंती.

आपला,

श. वि. पुणे  
कक्ष अधिकारी, महाराष्ट्र शासन

प्रत -

- १) संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे.
- २) विभागीय सहसंचालक, उच्च शिक्षण, नागपूर.
- ३) नबिरा महाविद्यालय, काटोल, जि. नागपूर
- ४) निवड नसरी/मशि-३

UC/F/250  
14/8/2000

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नागपूर विद्यापीठ

०११५७१  
दिनांक १९ ऑगस्ट, २०००

सहायक कुलसचिव [म. वि.],  
नागपूर विद्यापीठ,  
नागपूर.

RECEIVED  
MAHAVIDYALAYA  
KATOL  
Inward No 195  
Date 01/9/2000

प्रति,

प्राचार्य,  
नवीरा महाविद्यालय,  
काटोल, वि. नागपूर.

विषय :- सत्र २०००-२००१ या शैक्षणिक वर्षासाठी बी. ए. माग-१ साठी दोन  
अतिरिक्त तुकड्या व सम. र. माग-१ [इतिहास] सत्र करण्याबाबत.  
संदर्भ :- शासन निर्णय क्र. नाविन १०००/अति. तुकड्या/०११५७/२०००/मवि-२,  
उच्च व तंत्र शिक्षण विभाग, मंत्रालय विस्तार भवन, मुंबई-४०० ०३२.  
दिनांक १४ ऑगस्ट, २०००.

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गटोदय,

संदर्भात शासन निर्णयानुसार आपणांस क्विण्यात घेते की, आपल्या  
महाविद्यालयाला प्रथम वर्षे क्ला शाबेच्या दोन अतिरिक्त तुकड्या तसेच सम. र. माग-१  
इतिहास हा अभ्यासक्रम सत्र २०००-२००१ पासून कायम विना अनुदान तत्वावर सत्र  
करण्यास शासनाने दिलेल्या परवानगीला मा. कुलगुणी महाराष्ट्र विद्यापीठ  
अधिनियमांतील कलम १४ [७] च्या अंतर्गत मान्यता प्रदान केली आहे.

आपला,  
सहायक कुलसचिव [म. वि.],  
नागपूर विद्यापीठ, नागपूर.

x x x

प्रतिलिपी माहितीकरिता अग्रेषित :-

- १) तहसूलवालक, उच्च शिक्षण, नागपूर विभाग, नागपूर.
- २) परिधा नियंत्रक,
- ३) सहायक कुलसचिव [परिधा],
- ४) सहायक कुलसचिव [गोपनीय],
- ५) सहायक कुलसचिव [परिधा व चौक]
- ६) अधिष्ठाता, शिक्षक मान्यता विभाग

Attested

Principal  
N. V. Mahavidyalaya  
Katol.

Bhaskar Mahaling  
21/9

शैक्षणिक वर्ष २०१७-१८ करीता अस्तित्वात  
असलेल्या महाविद्यालयांमध्ये अतिरिक्त  
तुकडी सुरु करण्यास मान्यता देण्याबाबत...

महाराष्ट्र शासन

उच्च व तंत्र शिक्षण विभाग

शासन आदेश क्रमांक : एनजीसी-२०१७/(१०२/१७)/मशि-४

मंत्रालय विस्तार भवन, मुंबई ४०० ०३२

दिनांक : ०१ ऑगस्ट, २०१७.

- संदर्भ :** १) शासन निर्णय, उच्च व तंत्र शिक्षण विभाग, क्र. एनजीसी-२०१०/(१९३/१०)  
/मशि-४, दि. ३०.१०.२०१०.  
२) शासन निर्णय, उच्च व तंत्र शिक्षण विभाग, क्र. एनजीसी-२०१२/(२४७/१२)  
/मशि-४, दि. ०२.०९.२०१३.

### शासन आदेश

महाराष्ट्र विद्यापीठ अधिनियम, १९९४ मधील कलम ८२ व ८३ आणि संदर्भ क्र.१ येथील शासन निर्णयान्वये विहित केलेल्या कार्यपद्धतीनुसार राज्यातील अकृषी विद्यापीठांनी शै.व. २०१७-१८ साठी नवीन अतिरिक्त तुकड्यांचे प्रस्ताव मान्यतेसाठी शासनाकडे सादर केले आहेत. सदर प्रस्तावांची संदर्भ क्र.२ येथील शासन निर्णयान्वये छाननी करण्यात आली.विद्यापीठांच्या शिफारशीच्या अनुषंगाने शासन स्तरावर केलेली छाननी वा महाविद्यालयानी नॅक मुल्यांकनासाठी केलेला अर्ज व त्या अनुषंगाने प्राप्त LOI ( Letter of Intention) विचारात घेऊन पात्र ठरलेल्या तसेच काही महाविद्यालयांनी केलेली त्रुटीची पुर्तता लक्षात घेऊन, महाराष्ट्र विद्यापीठ अधिनियम, १९९४ मधील कलम ८२ (५) अन्वये शासनास प्राप्त असलेल्या अधिकारानुसार अस्तित्वात असलेल्या महाविद्यालयात पुढील विवरणात नमुद केल्यानुसार नवीन अतिरिक्त तुकड्यांना खालील अटी व शर्तीच्या अधिन राहून कायम विना अनुदान तत्वावर मंजूरी देण्यात येत आहे :-

अ.क्र.	अ.क्र.	संस्था/महाविद्यालयाचे नाव	संस्था/महाविद्यालयाने मागणी केलेल्या अतिरिक्त तुकड्या
१	२	३	४
		मुंबई विद्यापीठ, मुंबई	
१.	१.	निर्मल एज्युकेशन सोसायटीचे निर्मल डिग्री कॉलेज ऑफ कॉमर्स एम.जी.रोड, म्युनिसीपल स्कुल, एम.जी.रोड, कांदिवली (प.), मुंबई-४०० ०६७	बी.कॉम. (४८०-३६०)
२.	२.	चेंबूर ट्राम्बे एज्युकेशन सोसायटीचे एन.जी.आचार्य अँड कॉमर्स सुभाष नगर जवळ, एन.जी.आचार्य मार्ग, चेंबूर, मुंबई-७१	बी.एम.एस. (६०-१२०) एम.कॉम.-(अॅडव्हान्स अकाउंटन्टसी) (६०-१२०)

अ.क्र.	अ.क्र.	संस्था/महाविद्यालयाचे नाव	संस्था/महाविद्यालयाने मागणी केलेल्या अतिरिक्त तुकड्या
१	२	३	४
३.	३.	ओशिवरा लेबर मेमोरियल चॅरीटेबल ट्रस्टचे के.एच.एम.डब्ल्यू. कॉलेज ऑफ कॉमर्स रिलीफ रोड, ओशिवरा, जोगेश्वरी (प.), मुंबई-४०० १०२	बी.कॉम. (२४०-१२०)
४.	४.	निर्मल एज्युकेशन सोसायटीचे विद्या निकेतन डीग्री कॉलेज ऑफ कॉमर्स पंत नगर, वीएमसी स्कूल नं. २, आचार्य अत्रे मैदानासमोर, घाटकोपर (पू.), मुंबई-७५.	बी.कॉम. (४८०-३६०)
५.	५.	शिवाजी शिक्षण संस्था विज्ञान व वाणिज्य महाविद्यालय (रात्र) डॉ. अंकुश शंकर गावडे मार्ग, पंतनगर, घाटकोपर (पू.), मुंबई - ४०००७५	बी.कॉम. (३६०-१२०)
६.	६.	विद्या विकास एज्युकेशन ट्रस्टचे लॉर्डस युनिव्हर्सल कॉलेज ऑफ लॉ	एल.एल. बी (३ वर्षे) (६०-१२०) एल.एल. बी (५ वर्षे) (६०-१२०)
<b>उत्तर महाराष्ट्र विद्यापीठ - जळगाव</b>			
७.	१.	खान्देश एज्युकेशन सोसायटीचे प्रताप महाविद्यालय अमळनेर प्रताप महाविद्यालय, रेल्वे स्टेशन जवळ, अमळनेर, ता. अमळनेर जि. जळगाव	एम.कॉम - द्वितीय वर्ष [१ अतिरिक्त तुकडी] एम.ए. (राज्यशास्त्र) - द्वितीय वर्ष [१ अतिरिक्त तुकडी]
<b>राष्ट्रसंत तुकडोजी महाराज नागपुर विद्यापीठ, नागपूर.</b>			
८.	१.	शिक्षण प्रसारक मंडळ, काटोल संचलित नविरा महाविद्यालय, धन्तोली, काटोल, जि. नागपूर.	बी.एस्सी. (माध्यम-इंग्रजी) एम.कॉम. (माध्यम-इंग्रजी)
<b>शिवाजी विद्यापीठ, कोल्हापूर</b>			
९.	१.	यशवंतराव चव्हाण वारणा महाविद्यालय, वारणानगर, ता. पन्हाळा, जि. कोल्हापूर	अतिरिक्त तुकडी - बी.एस्सी. भाग - १ (तुकडी क्र. २) १२० बी.एस्सी. भाग - ३ (तुकडी क्र. १) १२०
१०.	२.	श्री. यशवंतराव पाटील विज्ञान महाविद्यालय, सोळांकूर, ता. राधानगरी जि. कोल्हापूर	अतिरिक्त तुकड्या - बी.एस्सी. भाग - १ (तुकडी क्र. १) १२० बी.एस्सी. भाग - २ (तुकडी क्र. १) १२०

अ.क्र.	अ.क्र.	संस्था/महाविद्यालयाचे नाव	संस्था/महाविद्यालयाने मागणी केलेल्या अतिरिक्त तुकड्या
१	२	३	४
			बी.एस्सी. भाग - ३ (तुकडी क्र. १)१२०
११.	३.	बळवंत कॉलेज, विटा हणमंतनगर, विटा ता. खानापूर, जि. सांगली	अतिरिक्त तुकडी- १. बी.कॉम.भाग - १ २. बी.एस्सी.भाग - ३
१२.	४.	श्री आचार्यरत्न देशभूषण शिक्षण प्रसारक मंडळ संचलित महावीर महाविद्यालय, कोल्हापूर	अतिरिक्त तुकडी - बी.कॉम. भाग-१ इंग्रजी माध्यम विनाअनुदानित पहिली तुकडी (बी.कॉम. भाग - १ मराठी माध्यम मुळ तुकडीसह एक अतिरिक्त तुकडी सुरु आहे.) १२०

२. अटी व शर्ती :-

- अस्तित्वात असलेल्या ज्या महाविद्यालयात नवीन अतिरिक्त तुकड्या मंजूर करण्यात आलेल्या आहेत, त्या महाविद्यालयाने त्यांच्या विभागीय सहसंचालकांकडे ते भविष्यात कोणत्याही परिस्थितीत अनुदानाची मागणी करणार नाहीत असे हमीपत्र रु. १००/- च्या नॉन ज्युडीशियल स्टॅम्प पेपरवर सादर करावे.
- महाविद्यालयाने हमीपत्र सादर केल्याशिवाय किंवा तसे विभागीय सहसंचालकांचे प्रमाणपत्र प्राप्त झाल्याशिवाय संबंधित विद्यापीठाने संलग्नतेची प्रक्रिया सुरु करू नये.
- महाविद्यालयांनी, संबंधित विद्यापीठाने विहित केलेल्या निकषांनुसार व विद्यापीठ अनुदान आयोगाने विहित केलेल्या शैक्षणिक पात्रतेनुसार अध्यापक / कर्मचारी वर्ग नेमणे आवश्यक असून, इतर सर्व आवश्यक पायाभूत सोयी उपलब्ध कराव्यात व त्याची खात्री विभागीय सहसंचालकांनी ३० ऑगस्ट पर्यंत करावी आणि तदनंतरच उपरोक्त अट क्र. २ मधील प्रमाणपत्र विद्यापीठास द्यावे.
- महाविद्यालयाने कोणत्याही परिस्थितीत मंजूर प्रवेश क्षमतेपेक्षा जास्त प्रवेश देऊ नयेत.
- विद्यापीठ अनुदान आयोगाच्या (ऑफिलिएशन ऑफ कॉलेजस बाय युनिव्हर्सिटीज) रेग्युलेशन २००९ मध्ये महाविद्यालयांना संलग्नीकरण देण्याबाबत विहित निकषांची पूर्तता केल्याशिवाय संबंधित महाविद्यालयांना संलग्नीकरण देण्याची कार्यवाही विद्यापीठाने करू नये.
- संबंधित विद्यापीठांनी, वरील विवरणपत्रातील महाविद्यालयांनी प्रकरणपरत्वे नॅक मुल्यांकन/ पुनर्मुल्यांकन करून घेण्यासाठी पाठपुरावा करावा.

३. विद्यापीठांनी संलग्नीकरण देण्याबाबत आवश्यक असलेली पुढील कार्यवाही करण्यापूर्वी शासन मान्यता आदेशांचे अवलोकन केल्याशिवाय व विभागीय सहसंचालकाचे अट क्रमांक २ मधील प्रमाणपत्र मिळाल्याशिवाय संलग्नता देण्याची प्रक्रिया सुरु करू नये. विद्यापीठांनी संलग्नतेबाबतचा पूर्तता अहवाल संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे व संबंधित विभागीय सहसंचालक, उच्च शिक्षण यांना पाठवावा.

४. संबंधित विद्यापीठांनी व विभागीय सहसंचालकांनी मंजूर करण्यात आलेल्या अतिरिक्त तुकड्यांचा नियतकालिक आढावा घेऊन सदर अतिरिक्त तुकड्यांमध्ये मंजूर विद्यार्थी संख्येच्या ५०% किंवा त्यापेक्षा कमी विद्यार्थी दिसून आल्यास सदर अतिरिक्त तुकड्यांची मान्यता रद्द समजून तसे शासन व विद्यापीठाच्या माहितीने विभागीय सहसंचालकांनी आदेश काढावेत. मा. उच्च न्यायालयाच्या नागपूर खंडपीठ, नागपूर येथे दाखल झालेल्या याचिका क्रमांक २४४६/२०१३ व २४४८/२०१३ मध्ये उपस्थित केलेल्या बाबी विचारात घेता या अटी संदर्भात आवश्यक ती कार्यवाही करण्याची जबाबदारी संबंधित विद्यापीठ व विभागीय सहसंचालक यांची राहिल.

सदर शासन आदेश महाराष्ट्र शासनाच्या [www.maharashtra.gov.in](http://www.maharashtra.gov.in) या संकेतस्थळावर उपलब्ध करण्यात आला असून त्याचा संकेतांक २०१७०७३११२१८०५७८०८ असा आहे. हा आदेश डिजीटल स्वाक्षरीने साक्षांकित करून काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने,

**Dattatray  
Vasant  
kharke**

Digitally signed by Dattatray Vasant kharke  
DN: c=IN, o=Government Of Maharashtra,  
ou=Higher And Technical Education  
Department, postalCode=400032,  
st=Maharashtra,  
2.5.4.20=cf598800beb5ed37ae09d78f05921827  
13.3.3=20772247369720102609270,  
cn=Dattatray Vasant kharke  
Date: 2017.08.01 17:57:06 +05'30'

( द.व. खारके )

कक्ष अधिकारी, उच्च व तंत्र शिक्षण विभाग,  
महाराष्ट्र शासन

प्रत,

- १) कुलसचिव, सर्व अकृषी विद्यापीठे, महाराष्ट्र राज्य.
- २) संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे.
- ३) सर्व विभागीय सहसंचालक, उच्च शिक्षण, महाराष्ट्र राज्य.
- ४) संबंधित संस्था, (विद्यापीठामार्फत)
- ५) निवड नस्ती (मशि-४).









NAGPUR

नागपुर

No. AG/CS/C/2090

The.....<sup>5th</sup> August, 1994.

From : The Registrar,  
Nagpur University,  
NAGPUR.

To,  
The Principal,  
Nabira Mahavidyalaya,  
KATOL. (Distt-Nagpur).

Subject : Permission to start New Course.

\* \* \*


Sir,

Report submitted by the Committee appointed by the Executive Council for on-the-spot assessment of infra-structure available to permit you to start M.Sc. Part-I Chemistry from the academic session 1994-95 has been accepted by the Executive Council. A copy of the report is enclosed herewith for your perusal.

I would further like to draw your attention to the concluding paragraph of the report according to which, you have been prohibited from making admissions at your college for the M.Sc.-I Course in Chemistry, until you submit the compliance report and initial clearance is accorded by the University. Please Note.

Encl.: As above.

Yours faithfully,

  
Registrar,  
Nagpur University,  
NAGPUR.

**ATTESTED**  
  
Officiating Principal,  
Nabira Mahavidyalaya  
Katol \* \* \*

M.Sc - Chem.

महाराष्ट्र शासन

क्रमांक :- नाविपस-१०२४/न.वि./[७५५२]/मशि-३  
उच्च व तंत्रशिक्षण आणि सेवायोजन विभाग,  
मंत्रालय विस्तार भवन, मुंबई - ४०० ०३२,  
दिनांक :- २० पुले, १९९४.

प्रति,

कुलसचिव,  
नागपूर विद्यापीठ,  
नागपूर.

विषय :- नागपूर विद्यापीठ, नागपूर.

जून १९९४ पासूनचा संलग्नीकरणाचा प्रस्ताव  
विद्यापीठ कायदा कलम ४३(४) अन्वये अनुमती  
देण्याबाबत.....

महोदय,

शिक्षण संचालक [उच्च शिक्षण] महाराष्ट्र राज्य, पुणे यांचे अर्ध शासकीय पत्र  
क्रमांक-एनजीसी-१९९३/३३-६०/तुकड्या मंजूरी/२३, दिनांक ५/७/९४ अन्वये आपल्या  
विद्यापीठासर्गित येणा-या कक्षा वारिण्य व विज्ञान महाविद्यालयाच्या संलग्नीकरणाच्या  
विस्ताराबाबत विद्यापीठाच्या अधिनियम कलम ४३(४) अन्वये जो प्रस्ताव शासनाच्या  
अनुमतीसाठी अप्राप्त झाला आहे, त्याबाबत मला आपणांस असे कळविण्याचा आदेश  
आहे की, सदर प्रस्तावापैकी सोबत जोडलेल्या प्रपत्र "अ" मधील विषयाबाबत त्यापुढे  
नमूद केलेल्या अटीनुसार विद्यापीठाच्या कायदा कलम ४३(५) अन्वये आवश्यक असलेली  
पुढील कार्यवाही विद्यापीठाने करण्यास शासनाची हरकत नाही.

२. प्रपत्र "अ" मधील मंजूर केलेल्या प्रत्येक विषयाला कमीत कमी २४ विद्यार्थी

उपलब्ध असले तरच विषय सुरु करण्यास परवानगी द्यावी. २४ विद्यार्थी उपलब्ध

असल्यास तरीही महाविद्यालयाने पररपर सुरु केल्यास शासन गोरपानुसार अनुदान प्र

होणार नाही याची साष्टकलना महाविद्यालयाना देण्यात यावी. तसेच

पदव्युत्तर अभ्यासक्रमाला कमीत कमी १६ विद्यार्थी उपलब्ध असलेच पाविले.

"कॉम्प्युटर सायन्स", इलेक्ट्रॉनिक्स सार्व पदव्युत्तर अभ्यासक्रम "कायम विना अनुदान

सत्वावर" मंजूर करण्यात आले आहेत. त्यामुळे त्यांना कोणतेही अनुदान प्राप्त

होणार नाही.

परील संलग्नीकरणाच्या विस्ताराच्या प्रस्तावांमधील खालील नमुद केलेल्या प्रपत्र "ब" मधील महाविद्यालयाचे प्रस्ताव नामपूर करण्यात येत आहे :-

उपरोक्त विषयासाठी जून १९९४ पासून प्रवेश देण्यात येऊ नये असेही महाविद्यालयाला कळविण्यात यावे.

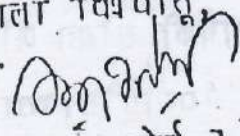
याबाबत नागपूर विद्यापीठाच्या कायदा १९६४ च्या कलम ४३(५) अन्वये आवश्यक असलेल्या [१] स्थानिक पौखी समितीचा अहवाल

[२] विवेक परिषद/कार्यकारी परिषद/सिनेट यांच्या ठरावाच्या प्रती व [३] शासकीय परिपत्रकानुसार विद्यार्थी संख्येबाबतची आवश्यक असलेली माहिती यासह सादर केल्यानंतर विद्यापीठ कायदा कलम ४३(६) व [७] अनुसार प्राप्त झालेल्या अधिकारानुसार अंतिम मंजूरीचा अधिकृत शासकीय निर्णय निर्णयित करण्यात येईल.

ATTESTED

Officialing Principal  
Nabira Mahavidyalaya  
Katol

आपला विश्वासू



[ वि. ला. भोई ]

कक्ष अधिकारी, महाराष्ट्र शासन.

प्रतिनीतनी :-

- १) विभाग संचालक [उ.वि.], महाराष्ट्र राज्य, पुणे.
- २) प्रशासन अधिकारी [उच्च शिक्षण अनुदान], नागपूर विभाग, नागपूर.
- ३) प्राचार्य, सर्व महाविद्यालये
- ४) कार्यासन अधिकारी, कार्यासन क्रमांक मवि-३.

पुस्तक - "अ"

विभागीय, नागपुर

सन १९९५-९६ ... विभागीय मंजूर करणयात आलेले नवीन विषय/अभ्यासक्रम.

अ. क्र.	महाविद्यालय	मंजुरी दिलेले विषय
१]	राणी इंदिराबाई भोले महाविद्यालय, कुडी, जिल्हा नागपुर.	प्रथम वर्ष कला - समाजशास्त्र, राज्यशास्त्र, गृहअर्थशास्त्र, भूगोल, आणि फिनॉरॉफी.
२]	प्रियदर्शनी महिला महाविद्यालय, वर्धा.	प्रथम वर्ष कला - भूगोल
३]	गोविंदराव वार्जुरकर कला, वाणिज्य महाविद्यालय, नागभिड, जि. चंद्रपूर	प्रथम वर्ष कला - गृहअर्थशास्त्र, भूगोल
४]	कला, वाणिज्य महाविद्यालय, सावने, जि. नागपुर.	प्रथम वर्ष कला - मराठी वाङ्मय
५]	पुगती महिला महाविद्यालय, भंडारा.	प्रथम वर्ष कला - मराठी, इंग्रजी वाङ्मय, भूगोल.
६]	निकळंठराव विठ्ठल महाविद्यालय, भद्राचरणी.	प्रथम वर्ष विज्ञान - इलेक्ट्रॉनिक्स [कायम विना अनुदान तत्वावर]
७]	एत. एत. जैरवात महाविद्यालय, मोरसांग अर्जुनी, जि. भंडारा.	प्रथम वर्ष कला - भूगोल
८]	नूतन आदर्श कला, वाणिज्य व मन्त्रालय ट्रेड विज्ञान महाविद्यालय, उजरेड, जि. नागपुर.	प्रथम वर्ष कला - इंग्रजी वाङ्मय
९]	जगता महाविद्यालय, चंद्रपूर	प्रथम वर्ष विज्ञान - इलेक्ट्रॉनिक्स, कॉम्प्युटर सायन्स [कायम विना अनुदान तत्वावर] दोन्ही विषय
१०]	विजा विजारा कला, वाणिज्य महाविद्यालय, चंद्रपूर, जि. वर्धा	प्रथम वर्ष कला - मराठी वाङ्मय, गृहविज्ञान.
११]	नवीरा महाविद्यालय, काटीन, जि. नागपुर.	१] प्रथम वर्ष कला - इंग्रजी वाङ्मय २] एत. एत. भाग-१ - केमिस्ट्री
१२]	जगता महाविद्यालय, सावने, जि. नागपुर.	प्रथम वर्ष कला - गृहअर्थशास्त्र

नागपुर विद्यापीठ

प्र. विद्या/म. वि. / १५१/५२२८  
आंकडा, १९९४,  
दिनांक: १/२/९५

सहायक कुलसचिव (म. वि. शाखा),  
नागपुर विद्यापीठ,  
नागपुर.

**RECEIVED**  
NABIRA MAHAVIDYALAYA  
KATOL  
Inward No. 4776  
Date 3-2-95

श्री. श्री. महाविद्यालय,  
आंकडा (म. वि. शाखा)

विषय:- तंत्र १९९४-९५ पासून नवीन अभ्यासक्रम/विषयांना मान्यता.

आपणात कळविण्यात येते की कक्ष अधिकाारी, महाराष्ट्र शासन, उच्च व  
तंत्र शिक्षण आणि सेवायोजन विभाग, मंत्रालय विस्तार भवन, मुंबई यांच्या पत्र क्रमांक ना दि. १०९४/न. वि. / (५५५२) मधील ३ दिनांक ३० जून १९९४ द्वारे शैक्षणिक तंत्र १९९४-९५ पासून  
मान्यता कळविण्यात आलेली नवीन अभ्यासक्रम पूर्ण करण्यात येण्याबाबत शासन विभागात  
विद्यापीठ कार्यक्रमाच्या दिनांक २४ ऑगस्ट १९९४ च्या बैठकीत (बाब. क्रमांक २३७) मान्यता  
दिलेली आहे.

- १) पुस्तक - वर्ष - १९९१ - १९९२ - १९९३
- २) पुस्तक - वर्ष - १९९३ - १९९४ - १९९५ - १९९६ - १९९७ - १९९८

कळवे

आपला  
सहायक कुलसचिव (म. वि. शाखा),  
नागपुर, विद्यापीठ.

x x x x x

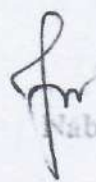
दिनांक ऑगस्ट, १९९४,

- प्रमाणित दि. न. वि. /
- प्रमाणित आधिकारीचे ओळख.
- १) सहायक कुलसचिव (म. वि. शाखा)
- २) सहायक कुलसचिव (म. वि. शाखा)

नागपुर विद्यापीठ, नागपुर.

Sd/-  
सहायक कुलसचिव (म. वि. शाखा)  
नागपुर विद्यापीठ,  
नागपुर.

Attested

  
Principal  
Nabira Mahavidyalaya  
Katol.

परिषद/ बार काउन्सिल  
केल्यास पुढील संलग्नि  
कृपया कळवे.

ता विहित कालावधीत संस्थेने न  
घेची राहिल याची नोंद घ्यावी.

M.Sc. Mathematics

रोडशिफ्ट वर्ष २००४-०८  
महाविद्यालय नवीन विद्यार्थी संजूर्ण

महाराष्ट्र शासन  
उच्च व तंत्र शिक्षण विभाग,  
आदेश क्रमांक: अभास २००७ (२२४/०७) मति-३  
मंत्रालय विस्तार भवन, मुंबई ४०० ०१२  
दिनांक: १६ जून, २००७

**RECEIVED**  
NABIPA MAHARASHTRA VYALAYA  
No. 302  
Date 20/6/07

पदा:- टास्क फोर्स द्वारा संचालित उच्च शिक्षण, महाराष्ट्र राज्य, पुणे यांचा प्रस्ताव क्र एनजीसी/०७-०८/नवि महा अनु/मान्यता/मवि-२-३, दिनांक २८ मार्च, २००७

आदेश

महाराष्ट्र विद्यापीठ अधिनियम १९९४ मधील कलम ८२ (४) नुसार राज्यातील विद्यापीठांनी शासनापुढे नवीन अभ्यासक्रम मान्यतेसाठी प्रस्ताव सादर करावयाचे असतात. त्यानुसार विद्यापीठांकडून प्राप्त झालेल्या प्रस्तावांची शासनाने कृति समितीद्वारे तपासणी करून समितीच्या शिफारशी व विद्यापीठाच्या शिफारशी विचारात घेऊन महाराष्ट्र विद्यापीठ अधिनियम १९९४ मधील कलम ८२ (५) अन्वये प्राप्त अधिकारानुसार खालीलप्रमाणे महाविद्यालयांना नवीन विषय संजूर करण्यात येत आहेत :-

संजूर्ण विद्यापीठ

उच्च व तंत्र शिक्षण विभाग,

क्र	संस्थेचे नाव / महाविद्यालयाचे नाव	रखीम विषय
१	श्री. डी एम्प्युकेरानल ट्रस्टचे सेंट जोक्स कॉलेज, ऑफ कॉमर्स, एम एम सी स्कूल बिल्डिंग, ताळे, पाखाडी, इस्तर जिलेज, अेक्वेरिया फ्लामनवड, बोरीवली (प), मुंबई ११	टी वाय बी कॉम कॉम्प्युटर सिस्टीम अॅन्ड अॅप्लीकेशन (अप्लॉइड कॉम्पोनंट) डिजिटल सायकॅलॉजी (अप्लॉइड कॉम्पोनंट)
२	डिमी विद्यापचार समितीचे शर्मिरेजम, हुनहुनवाला कॉलेज, रेल्वे स्टेशनसमोर, घाटकोपर स्टेशन, मुंबई ८६	टी वाय बी एस्सीटीए स्टॅटिस्टिक अप्लॉइड कॉम्पोनंट ऑपरेशनल रिसर्च
३	संस्कार संजम एम्प्युकेरान सोसायटीचे धोरजलाल तामकचंद सेकलचंद राव बाणिंग महाविद्यालय, कुरार, मालाड (पूर्व) मुंबई १७	एम वाय बी कॉम कॉम्प्युटर प्रोग्रामिंग (अप्लॉइड कॉम्पोनंट)
४	डिवेक एम्प्युकेरान सोसायटीचे, डिवेक कॉलेज ऑफ कॉमर्स, डिवेक कॉलेज रोड, गोरगाय (प) मुंबई १७	टी वाय बी कॉम इलेमेंट ऑफ ऑपरेशन रिसर्च
५	गुरुकुल एम्प्युकेरान डिस्ट्रिक्ट पुरे गुरुकुल कॉलेज ऑफ कॉमर्स (डिमी कॉलेज) तिलक रोड, गुरुकुल रस्ता, घाटकोपर (पूर्व), मुंबई ७७	एम वाय बी कॉम कॉम्प्युटर प्रोग्रामिंग टी वाय बी कॉम
६	एम्प्युकेरान बोर्ड मुलुडचे जय भारत कॉलेज ऑफ कॉमर्स (नॉर्ट), मुलुड कॉलनी, मुलुड (परिघम) मुंबई ८१	टी वाय बी कॉम एक्सपोर्ट मार्केटींग (अप्लॉइड कॉम्पोनंट) टी वाय बी कॉम

30	आर्यपट इन्विटेट्यूट ऑफ कॉम्प्युटर सायन्स, अकोला	बी एच
31	भार. ए. कला एच. के. बाणिक्य व एस. भार. विज्ञान म. वि. कोरना	एम एच सी १ मापकी/बायोलीजी
32	क. एन. कला बाणिक्य म. वि., करना लाड, जि. कोरना	एम ए -१ गृहभयशास्त्र एम ए -१ इंग्रजी वाङ्मय
33	डॉ. पंजाबराव डॉ. भाऊसाहेब देशमुख मेमोरियल मेडिकल कॉलेज, अमरावती	एम ए (विज्ञानिक सायकोलॉजी)

**राज्यस्तरीय तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर**

१	रयानंद आर्य कन्या महाविद्यालय, शरीपटका, नागपूर	कला विद्याशाखा बी. ए. (इंग्रजी वाङ्मय)
२	कमला नेहरू महाविद्यालय, सत्करवरा चौक, नागपूर	कला विद्याशाखा बी. ए. (पब्लिक अॅडमिनिस्ट्रेशन)
३	अण्णासाहेब गुडेकर कॉलेज, नागपूर	बाणिक्य विद्याशाखा
३८	भार. ए. कला एच. के. बाणिक्य व एस. भार. विज्ञान म. वि. कोरना	बी. ए. (पाली) आवश्यक
४	जवाहरलाल आर्ट्स, ज्योत्सना अॅन्ड सायन्स कॉलेज, आदी, जि. नागपूर	विज्ञान विद्याशाखा बी. एस्सी - ऐच्छिक विषय (पर्यावरणशास्त्र)
५	राजकुमार ज्योत्सना आर्मी कन्या महाविद्यालय, नागपूर	कला विद्याशाखा बी. ए. एडिशन विषय (राज्यशास्त्र) (इंग्रजी वाङ्मय)
६	इशाराबाबा नागपूर आर्ट्स अॅन्ड कॉमर्स कॉलेज, नागपूर	कला विद्याशाखा बी. ए. (हिंदी माध्यम) बी. ए. (इंग्रजी वाङ्मय) बी. ए. (मराठी वाङ्मय) बी. ए. (हिंदी वाङ्मय)
७	बी. मयूरराव मोडिता कॉलेज ऑफ सायन्स, सत्करवरा चौक, नागपूर	विज्ञान विद्याशाखा बी. एस्सी (कॉम्प्युटर सायन्स) एम. एस्सी (रसायनशास्त्र)
८	जे. एम. ललित साहित्य महाविद्यालय, नागपूर	विज्ञान विद्याशाखा एम. एस्सी (रासायनशास्त्र, मनोवैज्ञानिकशास्त्र)
९	नवीत महाविद्यालय, काटोल, जि. नागपूर	विज्ञान विद्याशाखा एम. एस्सी (गणित)
१०	आर्ट्स, कोमरा अॅन्ड सायन्स कॉलेज, कोरना, जि. कोरना, नागपूर	विज्ञान विद्याशाखा बी. ए. एस्सी (इंग्रजी वाङ्मय) एम. एस्सी (रासायनशास्त्र, रसायनशास्त्र)
११	जे. एम. पटेल कॉलेज ऑफ आर्ट्स, कोमरा अॅन्ड सायन्स, कोरना	कला विद्याशाखा बी. ए. ऐच्छिक विषय (मानसशास्त्र)

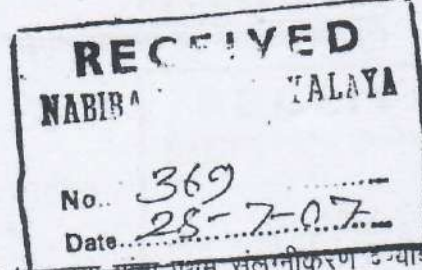


राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ

क.म.वि. 1977/0/639/दि. 23/7/07

दि. क्र. - 21712

प्रति,  
प्राचार्य,  
नबिरा महाविद्यालय,  
काटोल जे. नागपूर.



विषय:- सत्र 2007-08 पासून नविन अभ्यासक्रम / विषय / तुकडया यांना प्रथम संलग्नीकरण देण्याबाबत.  
संदर्भ:- 1. महाराष्ट्र शासनाच्या उच्च व तंत्र शिक्षण विभागाने पत्र क. अभ्यास-2007/(114/07)/नशि-3  
दि. 12-6-2007/2. पत्र क. तुकडी 2007/(13/07)/नशि-3, दि. 14 जून 2007

महोदय,  
संलग्नीकृत पत्रांचे शासनाने आलेल्या महाविद्यालयात सत्र 2007-08 पासून नव्यासक्रम /  
विषय / तुकडया नूतन करण्यासाठी परवानगी दिलेली आहे. त्यानुसार खालील अभ्यासक्रम / विषय / तुकडयांना  
मा. कुलगुरुंनी विद्यार्थी परिषदेच्या वतीन म.वि. अधिनेयन 1994 च्या कलम 14 (7) अंतर्गत सल्लागार समितीच्या  
शिफारशीच्या अधिन खालील अटीच्या अधिन राहून सत्र 2007-08 पासून प्रथम संलग्नीकरण प्रदान करण्यास  
मान्यता दिलेली आहे.

अ.क्र. विषय / अभ्यासक्रम / तुकडया प्रवेश क्षमता  
1. एन.एस.सी. - गणित 22 विद्यार्थी

- प्रथम संलग्नीकरण खालील अटीच्या अधिन देण्यात येत आहे.
- उपरोक्त अभ्यासक्रम / विषय / तुकडया याच वर्षी म्हणजे सत्र 2007-08 मध्ये सुरु करून अनिवार्य राहिल. सत्र 2007-08 मध्ये उपरोक्त अभ्यासक्रम / विषय / तुकडया सुरु न केल्यास दिलेली परवानगी / संलग्नीकरण रद्द समजण्यात यावे.
  - उपरोक्त अभ्यासक्रम / विषय / तुकडयांना देण्यात आलेले प्रथम संलग्नीकरण विद्यापीठाद्वारे गठित करण्यात येण-या स्थानिय चौकशी समितीच्या शिफारशीच्या अधिन राहिल.
  - शासनाने मान्यता दिलेल्या अभ्यासक्रमापैकी ज्या अभ्यासक्रमांना विद्यापीठामार्फत केंद्रिकृत प्रवेश नव्हतीने प्रवेश दिले त्यात अशा अभ्यासक्रमासाठी चालू वर्षासाठी प्रकिया पूर्ण झाली असल्यास नव्यासक्रम पुढील वर्षापासून संबंधित महाविद्यालयांनी सुरु करावेत.
  - सदर अभ्यासक्रम / विषयांना मान्यता ही कायम विन अनुदान तत्वावर देण्यात आलेली आहे.
  - उपरोक्त अभ्यासक्रम / विषय / तुकडया कायम विन अनुदान तत्वावर सुरु करण्यास आपले महाविद्यालय तयार असून न आश्याचे हमीपत्र महाविद्यालयाने जैभागीय सहसंचालक (उच्च शिक्षण) नागपूर यांना सादर करण्यात आलीवर ही मान्यता देण्यात येत आहे.

कृपया कळावे.

Attested

Principal  
Nabira Mahavidyalaya  
Katol.

सहायक कुलसचिव (म.वि.)  
राष्ट्रसंत तुकडोजी महाराज  
नागपूर विद्यापीठ, नागपूर.



RECEIVED  
NABIRA MAH VIDYALAYA

No. 122  
Date 14/08/09

महाराष्ट्र शासन  
अस्तित्वात असलेल्या महाविद्यालयात  
नवीन अभ्यासक्रम/विषयांना मान्यता

महाराष्ट्र शासन  
उच्च व तंत्र शिक्षण विभाग  
शासन आदेश क्रमांक एनजीसी २००९/(३३/०९)/मांश-४  
मंत्रालय विस्तार भवन, मुंबई ४०० ०३२  
दिनांक : १४ जुलै, २००९

पहा:-१) शासन निर्णय क्रमांक-एनजीसी२००९ / (३३/०९) / मशि-३,  
दि.१८.०२.२००९ (Task Force)

२) संचालक, उच्च शिक्षण यांचे पत्र क्र. एनजीसी / ०९-१० / नवि महा अतु / मान्यता /  
मवि २-३, १९६९, दि. २८.०५.२००९

### शासन आदेश

महाराष्ट्र विद्यापीठ अधिनियम, १९९४ मधील कलम ८२(४) नुसार राज्यातील विद्यापीठांनी शासनाकडे अस्तित्वात असलेल्या महाविद्यालयात नवीन अभ्यासक्रम/विषयांना मान्यतासाठी एखाद्या खास करवायाचे अपेक्षा, त्यानुसार सैद्धान्तिक वर्ष २००९-१० साठी राज्यातील विद्यापीठांकडून प्राप्त झालेल्या प्रस्तावांची शासन निर्णय क्रमांक-एनजीसी२००९ / (३३/०९) / मशि-३, दि.१८.०२.२००९ अन्वये स्थापित कृतीसमितीद्वारे छाननी करण्यात आली. कृती समितीचे अभिप्राय / शिफारशी व विद्यापीठाच्या शिफारशी विचारात घेऊन महाराष्ट्र विद्यापीठ अधिनियम १९९४ मधील कलम ८२(५) व ८३(५) अन्वये शासनाने प्राप्त अधिकारानुसार अस्तित्वात असलेल्या महाविद्यालयात पुढील विवरणात नमूद केल्यानुसार नवीन अभ्यासक्रम/विषयांना खालील अटी व शर्ती च्या अधिन राहून कायम विना अनुदान तत्वावर मंजूरी देण्यात येत आहे.

विद्यापीठाचे नाव : मुंबई विद्यापीठ मुंबई जिल्हा		
अ.क्र.	महाविद्यालयाचे नाव	अभ्यासक्रम/विषय
१.	वसावा एज्युकेशन ट्रस्टचे, श्रीमती कमला मेहता व्ही, डब्ल्यू. ए. कॉलेज ऑफ कॉमर्स, ७ बंगला, वसावा, अंधेरी (पश्चिम), मुंबई-४०० ०६९.	टि. वाय. बी. कॉम. (बिझनेस मॅनेजमेंट) (पेपर I, II, III)
२.	श्री. हारि एज्युकेशनल ट्रस्टचे, सेंट रॉक्स डिय्री कॉलेज ऑफ कॉमर्स अँड सायन्स, एम.एम.सी. स्कुल बिल्डींग, तळेपाखाडी, एकसर व्हिलेज, एक्वारिआ क्लब जवळ, बोरिवली (पश्चिम), मुंबई- ४०० ०९२.	टि. वाय. बी. कॉम. (अप्लाइड कंपोनेंट) (कॉम्प्युटर सिस्टम अँड एप्लीकेशन)
३.	कै. पो. बी. हिंदुजा वाणिज्य महाविद्यालय, ३१५, नवीन चर्च रोड, मुंबई - ४०० ००४.	टि. वाय. बी. कॉम. (बिझनेस मॅनेजमेंट) (पेपर I, II, III)
४.	डेक्कन एज्युकेशन सोसायटीचे, किर्ती एम. हुंगरसी कॉलेज ऑफ आर्ट्स, सायन्स अँड कॉमर्स, काशिनाथ धुरू रोड, ऑफ वीर सावरकर मार्ग, आगर बाजार जवळ, दादर (पश्चिम), मुंबई - ४०० ०२८.	टि. वाय. बी. ए. (सायकॉलॉजी) (३ युनिट)
५.	विद्या प्रसारक मंडळाचे, कला, विज्ञान आणि वाणिज्य महाविद्यालय, मिठागर रोड, मुलुंड (पूर्व), मुंबई- ४०० ०८१.	एन. वाय. बी. ए. (कनेट)
६.	गोखले एज्युकेशन सोसायटीचे, डॉ. टी. के. टोपे कला आणि वाणिज्य शास्त्र महाविद्यालय, परेल, मुंबई- ४०० ०१२.	टि. वाय. बी. कॉम. (अप्लाइड कंपोनेंट) (डायरेक्ट अँड इन्डायरेक्ट टॅक्सेशन)

मासिक वर्ष २००९-१० अस्तित्वात असलेल्या महाविद्यालयात नवीन अभ्यासक्रम/विषयांना मान्यता  
उच्च व तंत्र शिक्षण विभाग, शासन आदेश क्रमांक एनजीसी २००९/(१७२/०९)/मशि-४, दिनांक : १४ जुलै, २००९

अ.क्र.	महाविद्यालयाचे नाव	अभ्यासक्रम/विषय
२७६	महात्मा गांधी कला-वाणिज्य महाविद्यालय, पारशिवनी, जि. नागपूर	कला विद्याशाखा - १. एम.ए. (मराठी) २. एम.ए. (अर्थशास्त्र) ३. एम.ए. (समाजशास्त्र)
२७७	सेठ केसरीमल पारवाल कॉलेज, कामठी, जि. नागपूर	कला विद्याशाखा - १. बी.ए. (इंग्रजी वाड.मय) २. एम.ए. (राज्यशास्त्र)
२७८	नवीरा महाविद्यालय, काटोल, जि. नागपूर	विज्ञान विद्याशाखा - एम.एस्सी. (मायक्रोबायोलॉजी) ✓
२७९	आर्ट्स, कॉमर्स अँड सायन्स कॉलेज, कोराडी, जि. नागपूर	कला विद्याशाखा - १. एम.ए. (मराठी) २. एम.ए. (इंग्रजी) ३. एम.ए. (समाजशास्त्र) ४. एम.ए. (अर्थशास्त्र) वाणिज्य विद्याशाखा - १. एम.कॉम. विज्ञान विद्याशाखा - १. एम.एस्सी (वनस्पतीशास्त्र) २. एम.एस्सी (प्राणीशास्त्र) ३. एम.एस्सी (गणित)
२८०	श्री नरेंद्र लिडके कॉलेज ऑफ आर्ट्स अँड कॉमर्स, रामटेक, जि. नागपूर	कला विद्याशाखा - एम.ए. (मराठी, इंग्रजी, अर्थशास्त्र, समाजशास्त्र, राज्यशास्त्र, इतिहास)
२८१	नूतन आदर्श आर्ट्स, कॉमर्स अँड श्रीमती एम. एच. वेगड सायन्स कॉलेज, उमरेड, जि. नागपूर	कला विद्याशाखा - १. एम.ए. (मराठी) २. एम.ए. (समाजशास्त्र)
२८२	जे.एम. पटेल कॉलेज ऑफ आर्ट्स, कॉमर्स अँड सायन्स, भंडारा, जि. भंडारा	कला विद्याशाखा - १. सर्टिफिकेट, डिप्लोमा अँड अँडव्हान्सड डिप्लोमा कोर्स इन रशियन लँग्वेज २. सर्टिफिकेट, डिप्लोमा अँड अँडव्हान्सड डिप्लोमा कोर्स इन जर्मन लँग्वेज ३. सर्टिफिकेट, डिप्लोमा अँड अँडव्हान्सड डिप्लोमा कोर्स इन फ्रेंच लँग्वेज ४. सर्टिफिकेट, डिप्लोमा अँड अँडव्हान्सड डिप्लोमा कोर्स इन अरेबिक लँग्वेज ५. सर्टिफिकेट, डिप्लोमा अँड अँडव्हान्सड डिप्लोमा कोर्स इन चाईनिज लँग्वेज वाणिज्य विद्याशाखा - १. बी.कॉम. - इंग्रजी माध्यम

४३५	महर्षी कवच स्त्री शिक्षण संस्थेचे कॉम्प्युटर ऑप्लिकेशन महिला महाविद्यालय, कन्याशाळा, भवानी पेठ, सातारा - ४१५ ०५२	नविन विषय वाणिज्य विद्याशाखा बी.कॉम. ( व्होकेशनल ) विषय १. इंग्रजी २. अर्थशास्त्र ३. अकॉटन्सी - १ ४. संख्या शास्त्र व गणित ५. व्होकेशनल पेपर - १ ६. व्होकेशनल पेपर - २
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### अटी व शर्ती:-

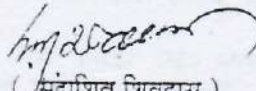
- (१) अस्तित्वात असलेल्या महाविद्यालयात नवीन अभ्यासक्रम/ विषयांना मंजूर करण्यात आलेल्या आहेत, त्या महाविद्यालयांने त्यांच्या विभागीय सहसंचालकांकडे ते भविष्यात कोणत्याही परिस्थितीत अनुदानाची मागणी करणार नाहीत असे हमीपत्र रु. १००/- च्या नॉन ज्युडीशियल स्टॅम्प पेपरवर सादर करावे.
- (२) संबंधित विभागीय सहसंचालकांचे हमीपत्र सादर केल्याविषयीचे प्रमाणपत्र प्राप्त झाल्याशिवाय विद्यापीठांने संलग्नतेची प्रक्रिया सुरु करू नये.
- (३) विद्यापीठांने विहित केलेल्या निकषानुसार व विद्यापीठ अनुदान आयोगाने विहित केलेल्या शैक्षणिक पात्रतेनुसार महाविद्यालयांनी, अध्यापक वर्ग/ कर्मचारी वर्ग नेमणे आवश्यक असून इतर सर्व आवश्यक पायाभूत सोयी उपलब्ध कराव्यात व त्याची खात्री विभागीय सहसंचालकांनी १५ ऑगस्ट पर्यंत करावी व तदनंतरच उपरोक्त अट क्रमांक २ मधील प्रमाणपत्र विद्यापीठास द्यावे.
- (४) महाविद्यालयांने कोणत्याही परिस्थितीत मंजूर प्रवेश क्षमतेपेक्षा जास्त प्रवेश देऊ नयेत.
- (५) अतिरिक्त तुकड्या मंजूर करण्यात आलेल्या महाविद्यालयांमधील सन २००९-१० व २०१०-११ मध्ये NAAC अॅक्रेडिटेशन प्राप्त करून घ्यावे व ते या कालावधीत न मिळविल्यास सदर तुकडी मान्यता आपोआप रद्द होईल.
- (६) महाराष्ट्र विद्यापीठ कायदा १९९४ मधील कलम ८२ (५) व ८३(५) नुसार ही मान्यता शैक्षणिक वर्ष २००९-१० पासून देण्यात येत आहे. ही मान्यता फक्त शैक्षणिक वर्ष २००९-१० पुरती मर्यादीत राहिल. यावर्षी नवीन तुकडी सुरू केल्यास ही मान्यता आपोआप रद्द होईल.

२. विद्यापीठाचे संलग्निकरण देण्याबाबत आवश्यक असलेली पुढील कार्यवाही विद्यापीठांनी करण्यापूर्वी शासनाच्या मान्यतेबाबतचे आदेश शासनाच्या संकेतस्थळावर अवलोकन केल्याशिवाय व विभागीय सहसंचालकाचे प्रमाणपत्र मिळाल्याशिवाय संलग्नता देण्याची प्रक्रिया सुरु करू नये. विद्यापीठांनी संलग्नतेबाबतचा पूर्तता अहवाल संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे व संबंधित विभागीय सहसंचालक, उच्च शिक्षण, महाराष्ट्र राज्य यांना पाठवावा.

३. संबंधित विद्यापीठांनी व विभागीय सहसंचालकांनी नवीन तुकड्यांबाबतचा नियतकालिक आढावा घेवून जर तुकड्यांमध्ये मंजूर विद्यार्थी संख्येच्या ५० टक्के किंवा त्यापेक्षा कमी विद्यार्थी दिसून आल्यास सदर तुकडीबाबत रद्द समजून तसे शासन व विद्यापीठाच्या माहितीने विभागीय सहसंचालकांनी आदेश काढावेत.

४. हे आदेश, राज्य शासनाच्या [www.maharashtra.gov.in](http://www.maharashtra.gov.in) या संकेत स्थळावर उपलब्ध असून त्याचा संगणक संकेतांक २००९०७१०२०४३०४००२ आहे.


महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने,

  
(संदेशिव शिवदास)  
सहसंचिव, महाराष्ट्र शासन

प्रत,

- १) कुलसचिव, सर्व अकृषी विद्यापीठे, महाराष्ट्र राज्य,
- २) संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे
- ३) सर्व विभागीय सहसंचालक, उच्च शिक्षण, महाराष्ट्र राज्य,
- ४) संबंधित संस्था,
- ५) नेवड नसरो (मशि-४)

ATTESTED

  
Sandesh Shivdas

**राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ**

क.म.वि./म.वि./४६७/S/४६६

दिनांक:- ०१.०९.२००९

प्रति,

अध्यक्ष/सचिव,  
शिक्षण प्रसारक मंडळ, काटोल  
द्वारा- नवीर महाविद्यालय,  
काटोल, जि.नागपूर.



विषय :- सत्र २००९-१० पासून नवीन विद्याशाखा/अभ्यासक्रम/विषय/अतिरीक्त तुकड्यांना प्रथम संलग्निकरण प्रदान करण्याबाबत.

संदर्भ :- शासन निर्णय क. एनजीसी २००९/(१७९/०९)/मशि-४, दिनांक १४ जुलै, २००९.

महोदय,

आदेशानुसार आपणांस कळविण्यात येते की, उपरोक्त संदर्भाकित पत्रानुसार राज्य शासनाने आपल्या संस्थेला सत्र २००९-१० पासून नवीन विद्याशाखा/अभ्यासक्रम/विषय/अतिरीक्त तुकड्यांना सुरु करण्यास दिलेल्या परवानगीनुसार व स्थानिय चौकशी समितीने केलेल्या शिफारशीनुसार व त्यास विद्यापीठाच्या विव्दत परिषदेने दिनांक ३१.०८.२००९ ला दिलेल्या मंजूरी नुसार म. वि. अधिनियम १९९४ च्या कलम ८३ अंतर्गत नवीन विद्याशाखा/अभ्यासक्रम/विषय/अतिरीक्त तुकड्यांना सत्र २००९-१० पासून विद्यापीठाचे प्रथम संलग्निकरण खालील अटीच्या अधिन राहून प्रदान करण्यात येत आहे.

महाविद्यालयाचे नांव	विद्याशाखा/अभ्यासक्रम/विषय/ अतिरीक्त तुकड्या	प्रवेश क्षमता
नवीर महाविद्यालय, काटोल, जि.नागपूर.	एम.एस.सी. (मायक्रोबायोलॉजी)	२२ विद्यार्थी

**प्रथम संलग्निकरण खालील अटीच्या अधिन प्रदान करण्यात येत आहे**

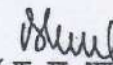
- उपरोक्त नवीन विद्याशाखा/अभ्यासक्रम/विषय/अतिरीक्त तुकड्यांना देण्यात आलेले प्रथम संलग्निकरण विद्यापीठाद्वारे गठीत स्थानिय चौकशी समितीने महाविद्यालयास भेट देऊन सादर केलेल्या अहवालात दर्शविलेल्या त्रुटी विहित कालावधीत पूर्ण करण्याच्या अटीवर देण्यात येत आहे. (समितीच्या अहवालाची प्रत सोबत जोडलेली आहे.)
- विद्यार्थी संख्येचे निकष शासन निर्णय क्र. एनजीसी-२००३/(५९१८)/मशि-३, दिनांक १९ जुन, १९९५ प्रमाणे महाविद्यालयावर बंधनकारक राहतील त्याचे उल्लंघन झाल्यास शासन निर्णय दि. २१.०९.२००६ नुसार दंडात्मक कार्यवाही करण्यात येईल.
- विद्यापीठाने विहित केलेल्या निकषानुसार व विद्यापीठ अनुदान आयोगाने विहित केलेल्या शैक्षणिक पात्रतेनुसार महाविद्यालयांनी अध्यापक वर्ग/ कर्मचारी वर्ग नेमणे आवश्यक असून इतर सर्व आवश्यक पायाभूत सोयी उपलब्ध करून त्याची खात्री विभागीय सहसंचालकांनी करून विद्यापीठास तसे प्रमाणपत्र देण्याच्या अधिन मान्यता देण्यात येत आहे.
- उपरोक्त अभ्यासक्रमाची परवानगी प्राचार्य व नियमित शिक्षक भरण्याच्या अटीवर देण्यात येत आहे. प्राचार्य व नियमित शिक्षकांची नियुक्ती न केल्यास विद्यार्थ्यांना दिलेले प्रवेश रद्द होतील.
- नवीन व्यावसायिक नवीन विद्याशाखा/अभ्यासक्रम/विषय/अतिरीक्त तुकड्या मंजूर करण्यात आलेल्या संस्थांनी शैक्षणिक वर्ष २००९-१० व २०१०-११ मध्ये नॅक अॅकेडिएशन प्राप्त करून घ्यावे व ते या कालावधीत न मिळाल्यास विद्याशाखा/अभ्यासक्रम/विषय/अतिरीक्त तुकड्यांची मान्यता आपोआप रद्द होईल या अटीवर मान्यता देण्यात येत आहे.
- उपरोक्त नवीन विद्याशाखा/अभ्यासक्रम/विषय/अतिरीक्त तुकड्या कायम विना अनुदान तत्वावर सुरु करण्यास आपले महाविद्यालय तयार असून त्या आशायाचे हमीपत्र महाविद्यालयाने विभागीय सहसंचालक (उच्च शिक्षण) नागपूर यांना सादर करण्याचे अटीवर ही मान्यता देण्यात येत आहे.
- नवीन विद्याशाखा/अभ्यासक्रम/विषय/अतिरीक्त तुकड्यांना प्रथम संलग्निकरण प्रदान केल्यानंतर अभ्यापनाचे १८० दिवस महाविद्यालयाद्वारा पूर्ण करण्यात येतील अशा आशायाचे शपथपत्र रु. १००/- च्या गैर न्यायिक मुद्रांकावर सादर करण्याचे अटीवर ही मान्यता देण्यात येत आहे.
- प्रथम संलग्निकरण प्राप्त झाल्यानंतर ज्या महाविद्यालयांनी वरील नमुद विविध अटी व शर्तीची पूर्तता केली नाही अशा महाविद्यालयांना पुढील निरंतर संलग्निकरण देता येणार नाही व जर अशा महाविद्यालयांनी पुढील सत्रासाठी प्रवेश प्रक्रिया केली तर प्रवेशित विद्यार्थ्यांची परीक्षा विद्यापीठ घेणार नाही व त्याची सर्वस्वी जबाबदारी महाविद्यालयाची राहिल.
- ज्या अभ्यासक्रमाचे अभ्यासकमीका, अध्यादेश विद्यापीठात तयार नाही असे अभ्यासक्रम/ विषय महाविद्यालयांनी सुरु करू नये.
- कायम विना अनुदान तत्वावर संस्थेस/महाविद्यालय नवीन विद्याशाखा/अभ्यासक्रम/विषय/अतिरीक्त तुकड्यांना आर्थिकदृष्ट्या चालविणे शक्य व्हावे यासाठी संस्थेने/महाविद्यालयाने विद्यार्थ्यांकडून विद्यापीठ/ शिक्षण शुल्क समितीने ठरविलेल्या शुल्कानुसारच शुल्क आकारावे.
- निरंतर संलग्निकरणाचे आवेदनपत्र दि. ३०.०९.२००९ पर्यंत सादर करण्यात यावे.
- महाविद्यालयाच्या बांधकामाचे मोजमाप करण्याकरीता अभियंता समिती महाविद्यालयाला भेट देऊन सादर केलेल्या अहवालाच्या अधिन मान्यता देण्यात येत आहे.
- वरील सर्व अटीची पूर्तता तसेच पुढील निरंतर संलग्निकरणाकरीता अखिल भारतीय तंत्र शिक्षण परिषद/ राष्ट्रीय अध्यापक शिक्षा परिषद/ बार कौन्सिल ऑफ इंडिया इत्यादी शिखर संस्थांनी घालून दिलेल्या अटीची पूर्तता विहित कालावधीत संस्थेने न केल्यास पुढील संलग्निकरण स्थगित होईल व त्याची सर्वस्वी जबाबदारी महाविद्यालयाची/ संस्थेची राहिल याची नोंद घ्यावी.

कपया कलत्रवे

आपला

Attested

  
Principal  
K. M. V. Mahavidyalaya  
Katol.

  
( फु. ख. पगत )

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**राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ**

(सेंट्रल प्रोव्हिसेंस शासन, शिक्षण विभागाची अधिसूचना क्रमांक ५१३ दिनांक १ ऑगस्ट, १९२३ द्वारा स्थापित, व महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६(सन २०१७ वा महाराष्ट्र अधिनियम क्रमांक ६) द्वारा संचालित राज्य विद्यापीठ)

**महाविद्यालय विकास विभाग**

छत्रपती शिवाजी महाराज प्रशासकीय परिसर, रविंद्रनाथ टायोर मार्ग, नागपूर-४४००१०, दूरध्वनी क्रमांक : ०७१२-२५२९९३२ फॅक्स नं. ०७१२-२५५५७०१,  
e-mail ID: info@college@gmail.com

क्रमांक : म.वि.वि./प्रथम संलग्निकरण/४६८

दिनांक : ०६-०९-२०१८

प्रती,

प्राचार्य,

नबिरा महाविद्यालय

धंतोली ता.- काटोल, जि.- नागपूर - ४४१३०२

विषय :- सत्र २०१८-१९ पासून नवीन विद्याशाखा / अभ्यासक्रम / विषय / अतिरिक्त तुकडीस प्रथम संलग्निकरण प्रदान करण्याबाबत.

संदर्भ :- १) शासन आदेश क्रमांक : एनजीसी-२०१८/(१०१/१८) मशि-४ - दिनांक: १५-०६-२०१८.

महोदय/महोदया,

आपणास कळविण्यात येते की, उपरोक्त संदर्भाकित पत्रानुसार राज्य शासनाने आपल्या महाविद्यालयास सत्र २०१८-१९ पासून खालील नवीन विद्याशाखा / अभ्यासक्रम / विषय / अतिरिक्त तुकडीस सुरु करण्यास दिलेल्या परवानगीनुसार व स्थानिय चौकशी समितीने केलेल्या शिफारशीनुसार मा.कुलमुंली महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ च्या कलम १२(७) अंतर्गत विद्वत परिषदेच्या वतीने नवीन विद्याशाखा / अभ्यासक्रम / विषय / अतिरिक्त तुकडीस सत्र २०१८-१९ पासून प्रथम संलग्निकरण खालील अटीच्या अधिन राहून प्रदान करण्यास मान्यता प्रदान केली आहे.

महाविद्यालयाचे नांव : नबिरा महाविद्यालय, धंतोली ता.- काटोल, जि.- नागपूर - ४४१३०२

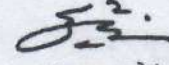
१. पारंपारिक अभ्यासक्रम	विद्याशाखा: विज्ञान व तंत्रज्ञान	माध्यम: (इंग्रजी)
	अभ्यासक्रम: मास्टर ऑफ सायंस (फिजिक्स)	विद्यार्थी प्रवेश अमता: २२
	स्तर : पदव्युत्तर	विषय: As Per Syllabus

**प्रथम संलग्निकरण खालील अटीच्या अधिन प्रदान करण्यात येत आहे**

- उपरोक्त नवीन विद्याशाखा / अभ्यासक्रम / विषय / अतिरिक्त तुकडी देण्यात आलेले प्रथम संलग्निकरण विद्यापीठाद्वारे गठीत स्थानिय चौकशी समितीने महाविद्यालयास भेट देऊन सादर केलेल्या अहवालात दर्शविलेल्या त्रुटी विहित कालावधीत पूर्ण करण्याच्या अटीवर देण्यात येत आहे.
- संदर्भाकित शासन परवानगीमध्ये नमूद केलेले संपूर्ण अटीचे पालन संस्थेने/महाविद्यालयाने विहित कालावधीमध्ये पूर्ण करण्याच्या अटीवर संलग्निकरण देण्यात येत आहे.
- विद्यार्थी संख्येचे निकष शासन निर्णय क्र.एनजीसी-१०९३/(५९१८)/मशि-३, दिनांक १९ जून, १९९५ प्रमाणे महाविद्यालयावर बंधनकारक राहतील त्याचे उलंघन झाल्यास शासन निर्णय दि.२२.१.२००७ नुसार वंडात्मक कार्यवाही करण्यात येईल. तसेच विद्यापीठ निर्देश क्र. ८/२०१६ मधील तरतुदीनुसार कमीत-कमी प्रवेशाची अट पूर्ण करण्याचे अटीवर संलग्निकरण देण्यात येत आहे.
- विद्यापीठाने विहित केलेल्या निकषानुसार व विद्यापीठ अनुदान आयोगाने विहित केलेल्या शैक्षणिक पात्रतेनुसार महाविद्यालयांनी अध्यापक वर्ग/कर्मचारी वर्ग नेमणे आवश्यक असून इतर सर्व आवश्यक पायाभूत सोयी उपलब्ध करून त्याची छात्री विभागीय सहसंचालकांनी करून विद्यापीठास तसे प्रमाणपत्र देण्याच्या अधिन मान्यता देण्यात येत आहे.

५. नवीन विद्याशाखा मंजूर करण्यात आलेल्या महाविद्यालयांनी ज्यांची स्थापना होऊन ५ वर्ष झाली आहेत त्यांनी एक वर्षात व ज्यांची ५ वर्ष झालेली नाहीत त्यांची ५ वर्ष पूर्ण होताच एक वर्षात NAAC अॅक्रेडिटेशन प्राप्त करून घ्यावे व ते या कालावधीत न मिळविल्यास सदर विद्याशाखा मान्यता आपोआप रद्द होईल या अटीवर मान्यता देण्यात येत आहे.
६. उपरोक्त अभ्यासक्रमाची परवानगी प्राचार्य व नियमित शिक्षक भरण्याच्या अटीवर देण्यात येत आहे. प्राचार्य व नियमित शिक्षकांची नियुक्ती न केल्यास विद्यार्थ्यांना दिलेले प्रवेश रद्द होतील.
७. उपरोक्त नवीन विद्याशाखा / अभ्यासक्रम / विषय / प्रवेश क्षमता वाढ कायम विना अनुदान तत्वावर सुरु करण्यास आपले महाविद्यालय तयार असून त्या आशयाचे हमीपत्र महाविद्यालयाने विभागिय सहसंचालक (उच्च शिक्षण) नागपूर यांना सादर करण्याचे अटीवर ही मान्यता देण्यात येत आहे
८. प्रथम संलग्निकरण प्राप्त झाल्यानंतर ज्या महाविद्यालयांनी वरील नमुद विविध अटी व शर्तीची पूर्तता केली नाही अशा महाविद्यालयांना पुढील वर्षाकरीता निरंतर संलग्निकरण देता येणार नाही व जर अशा महाविद्यालयांनी पुढील सत्रासाठी प्रवेश प्रक्रिया केली तर प्रवेशित विद्यार्थ्यांची परीक्षा विद्यापीठ घेणार नाही व त्याची सर्वस्वी जबाबदारी महाविद्यालयाची राहिल.
९. ज्या अभ्यासक्रमाचे अभ्यासक्रमीका, अध्यादेश विद्यापीठात तयार नाही असे अभ्यासक्रम/विषय महाविद्यालयांनी सुरु करू नये.
१०. कायम विना अनुदान तत्वावर संस्थेस/महाविद्यालय नवीन विद्याशाखा/अभ्यासक्रम/विषय/अतिरिक्त तुकड्यांना आर्थिकदृष्ट्या चालविणे शक्य व्हावे यासाठी संस्थेने/महाविद्यालयाने विद्यार्थ्यांकडून विद्यापीठ/शिक्षण शुल्क समितीने ठरविलेल्या शुल्कानुसारच शुल्क आकारावे.
११. वरील सर्व अटीची पूर्तता तसेच पुढील निरंतर संलग्निकरणाकरीता अखिल भारतीय तंत्र शिक्षण परिषद/राष्ट्रीय अध्यापक शिक्षा परिषद/वार कौन्सिल ऑफ इंडिया इत्यादी शिक्षर संस्थांनी घालून दिलेल्या अटीची पूर्तता विहित कालावधीत संस्थेने न केल्यास पुढील संलग्निकरण स्वगित होईल व त्याची सर्वस्वी जबाबदारी महाविद्यालयाची/संस्थेची राहिल याची नोंद घ्यावी (लागू असल्यास).
१२. महाविद्यालयातील सदर नवीन विद्याशाखा / अभ्यासक्रम / विषय / अतिरिक्त तुकडीस पुढील वर्षासाठी निरंतर संलग्निकरणाकरीता शुल्कासह आवेदनपत्र दि. ३१ ऑगस्ट पूर्वी [www.onlinedcudrtmnu.org](http://www.onlinedcudrtmnu.org) या संकेतस्थळावर ऑनलाईन सादर करणे बंधनकारक राहिल.

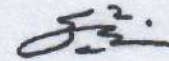
कृपया कळावे.

  
( डॉ. रमण मदने )  
उपकुलसचिव  
(अति.कार्य)

प्रतिलिपी माहितीकरिता सादर :-

१. मा.संचालक (उच्च शिक्षण), शिक्षण संचलनालय, महाराष्ट्र राज्य मध्यवर्ती इमारत, पूणे - ४११००१
  २. मा. प्र-कुलसचिव
  ३. मा.सहसंचालक, (उच्च शिक्षण), नागपूर विभाग, नागपूर - ४४०००१
  ४. मा.वित्त व लेखा अधिकारी.
  ५. संचालक, परीक्षा व मुल्यमापन मंडळ
  ६. उपकुलसचिव विद्या विभाग.
  ७. सहायक कुलसचिव, सामान्य परीक्षा विभाग, गोपनीय विभाग, व्यावसायिक परीक्षा, परीक्षा व चौकशी.
  ८. संबंधित लिपीक, शिक्षक मान्यता.
  ९. संबंधित लिपीक, संलग्निकरण शाखा.
- यांना विनंती करण्यात येते की, त्यांनी आपल्या स्तरावर आवश्यक ती कार्यवाही करावी

राष्ट्रसंत तुकडोजी महाराज  
नागपूर विद्यापीठ,  
नागपूर.

  
( डॉ. रमण मदने )  
उपकुलसचिव  
(अति.कार्य)

शैक्षणिक वर्ष २०१८-१९ :

अस्तित्वात असलेल्या महाविद्यालयांमध्ये  
नवीन विषय/अभ्यासक्रमांना मान्यता देणेबाबत.

महाराष्ट्र शासन  
उच्च व तंत्र शिक्षण विभाग  
शासन आदेश क्रमांक एनजीसी २०१८/(१०१/१८)/मशि-४  
मंत्रालय विस्तार भवन, मुंबई ४०००३२  
दिनांक: १५ जून, २०१८.

संदर्भ : शासन निर्णय क्र. एनजीसी-२०१७/(२०८/१७)/मशि-४,  
दिनांक १३.०९.२०१७.

शासन आदेश

महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ मधील कलम १०९ अणि संदर्भाधीन शासन निर्णयान्वये विहित केलेल्या कार्यपद्धतीनुसार राज्यातील अकृषि विद्यापीठांनी शैक्षणिक वर्ष २०१८-१९ साठी नवीन विषय/अभ्यासक्रमांचे प्रस्ताव मान्यतेसाठी शासनाकडे सादर केले आहेत. सदर प्रस्तावांची संदर्भाधीन शासन निर्णयान्वये विहित केलेल्या निकषांनुसार छाननी करण्यात आली. विद्यापीठांच्या शिफारशीच्या अनुषंगाने शासन स्तरावर केलेल्या छाननीनुसार पात्र ठरलेल्या प्रस्तावांना महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ मधील कलम १०९ (४) (घ) अन्वये शासनास प्राप्त अधिकारानुसार अस्तित्वात असलेल्या महाविद्यालयात पुढील विवरणात नमूद केल्यानुसार नवीन विषय/अभ्यासक्रमांना खालील अटी व शर्तीच्या अधिन राहून कायम विना अनुदान तत्वावर मंजूरी देण्यात येत आहे.

अ.क्र.	क्र.	संस्थेचे व महाविद्यालयाचे नाव	प्रस्तावित अभ्यासक्रम/विषय
१	२	३	४
मुंबई विद्यापीठ, मुंबई			
१.	१	चेंबूर कर्नाटका कॉलेज ऑफ लॉ विद्यासागर, घाटला, चेंबूर, मुंबई	विधी (५ वर्षे) (०-६०)
२.	२	झगडूसिंग चॅरीटेबल ट्रस्टचे ठाकूर कॉलेज ऑफ सायन्स, ठाकूर हाऊस, कांदिवली (पू.) मुंबई	बी.एम.एम. (इंग्लिश) (०-६०) बी.ए. (फिल्म टेलिव्हिजन ॲण्ड न्यु मिडीया प्रोडक्शन) (०-६०) बी.एस्सी. (सायकोलॉजी) (०-६०) बी.एस्सी. (एॅक्यूरियल सायन्स) (०- ६०) बी.एस्सी. (डाटा सायन्स) (०-६०)

अ.क्र.	क्र.	संस्थेचे व महाविद्यालयाचे नाव	प्रस्तावित अभ्यासक्रम/विषय
१	२	३	४
		राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर	
७६	१	स्व.लक्ष्मणजी. श्री. मोटघरे चॅरीटेबल ट्रस्टचे, डॉ. अरूण मोटघरे कला महाविद्यालय कोंढा कोसरा, पवनी, भंडारा	एम.एस्सी. झुलॉजी - विद्यार्थी संख्या २२ एम.एस्सी.गणित - विद्यार्थी संख्या २२
७७	२	शिक्षण प्रसारक मंडळाचे, नविरा महाविद्यालय, धंतोली, काटोल, नागपूर	एम.एस्सी. फिजिक्स. - विद्यार्थी संख्या २२
७८	३	विद्याभारती संस्थेचे, विद्याभारती कॉलेज नागपूर-वर्धा रोड, सेलू, जि. वर्धा	एम.कॉम. (मराठी) - विद्यार्थी संख्या ८०

## २. अटी व शर्ती :-

- अस्तित्वात असलेल्या ज्या महाविद्यालयात नवीन विषय/अभ्यासक्रम मंजूर करण्यात आलेल्या आहेत, त्या महाविद्यालयाने त्यांच्या विभागीय सहसंचालकांकडे ते भविष्यात कोणत्याही परिस्थितीत अनुदानाची मागणी करणार नाहीत असे हमीपत्र रु. १००/- च्या नॉन ज्युडीशियल स्टॅम्प पेपरवर सादर करावे.
  - महाविद्यालयाने हमीपत्र सादर केल्याशिवाय किंवा तसे विभागीय सहसंचालकांचे प्रमाणपत्र प्राप्त झाल्याशिवाय संबंधित विद्यापीठाने संलग्नतेची प्रक्रिया सुरु करू नये.
  - महाविद्यालयांनी, संबंधित विद्यापीठाने विहित केलेल्या निकषांनुसार व विद्यापीठ अनुदान आयोगाने विहित केलेल्या शैक्षणिक पात्रतेनुसार अध्यापक / कर्मचारी वर्ग नेमणे आवश्यक असून, इतर सर्व आवश्यक पायाभूत सोयी उपलब्ध कराव्यात व त्याची खात्री विभागीय सहसंचालकांनी ३० ऑगस्ट पर्यंत करावी आणि तदनंतरच उपरोक्त अट क्र. २ मधील प्रमाणपत्र विद्यापीठास द्यावे.
  - महाविद्यालयाने कोणत्याही परिस्थितीत मंजूर प्रवेश क्षमतेपेक्षा जास्त प्रवेश देऊ नयेत.
  - विद्यापीठ अनुदान आयोगाच्या (ऑफिलिएशन ऑफ कॉलेजस वाय युनिव्हर्सिटीज) रेग्युलेशन २००९ मध्ये महाविद्यालयांना संलग्नीकरण देण्याबाबत विहित निकषांची पूर्तता केल्याशिवाय संबंधित महाविद्यालयांना संलग्नीकरण देण्याची कार्यवाही विद्यापीठाने करू नये.
  - संबंधित विद्यापीठांनी, वरील विवरणपत्रातील महाविद्यालयांनी प्रकरणपरत्वे नॅक मुल्यांकन/ पुनर्मुल्यांकन करून घेण्यासाठी पाठपुरावा करावा.
३. विद्यापीठांनी संलग्नीकरण देण्याबाबत आवश्यक असलेली पुढील कार्यवाही करण्यापूर्वी शासन मान्यता आदेशांचे अवलोकन केल्याशिवाय व विभागीय सहसंचालकाचे अट क्रमांक २ मधील प्रमाणपत्र मिळाल्याशिवाय संलग्नता देण्याची प्रक्रिया सुरु करू नये. विद्यापीठांनी



संलग्नतेबाबतचा पूर्तता अहवाल संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे व संबंधित विभागीय सहसंचालक, उच्च शिक्षण यांना पाठवावा.

४. संबंधित विद्यापीठांनी व विभागीय सहसंचालकांनी मंजूर करण्यात आलेल्या विषय/अभ्यासक्रमांचा नियतकालिक आढावा घेऊन सदर विषय/अभ्यासक्रमांमध्ये मंजूर विद्यार्थी संख्येच्या ५०% किंवा त्यापेक्षा कमी विद्यार्थी दिसून आल्यास सदर विषय/अभ्यासक्रमांची मान्यता रद्द समजून तसे शासन व विद्यापीठाच्या माहितीने विभागीय सहसंचालकांनी आदेश काढावेत. मा. उच्च न्यायालयाच्या नागपूर खंडपीठ, नागपूर येथे दाखल झालेल्या याचिका क्रमांक २४४६/२०१३ व २४४८/२०१३ मध्ये उपस्थित केलेल्या बाबी विचारात घेता या अटी संदर्भात आवश्यक ती कार्यवाही करण्याची जबाबदारी संबंधित विद्यापीठ व विभागीय सहसंचालक यांची राहिल.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने,



(द.व. खारके)

कक्ष अधिकारी, महाराष्ट्र शासन

प्रत,

- १) कुलसचिव, सर्व अकृषी विद्यापीठे, महाराष्ट्र राज्य.
- २) संचालक, उच्च शिक्षण, महाराष्ट्र राज्य, पुणे.
- ३) सर्व विभागीय सहसंचालक, उच्च शिक्षण, महाराष्ट्र राज्य.
- ४) संबंधित संस्था, (विद्यापीठामार्फत)
- ५) निवड नस्ती (मशि-४)



**APPROVAL PROCESS 2021-22**

**Extension of Approval (EoA)**

F.No. Western/1-9317718059/2021/EOA

Date: 25-Jun-2021

To,

The Secretary,  
Tech. & Higher Education Deptt.  
Govt. of Maharashtra, Mantralaya,  
Annexe Building, Mumbai-400032

**Sub: Extension of Approval for the Academic Year 2021-22**

Ref: Application of the Institution for Extension of Approval for the Academic Year 2021-22

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, Notified on 4th February, 2020 and amended on 24th February 2021 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

<b>Permanent Id</b>	1-6273803	<b>Application Id</b>	1-9317718059
<b>Name of the Institution /University</b>	SHIKSHAN PRASARAK MANDAL'S, DEPARTMENT OF MANAGEMENT STUDIES, NABIRA MAHAVIDYALAYA, KATOL	<b>Name of the Society/Trust</b>	SHIKSHAN PRASARAK MANDAL, KATOL
<b>Institution /University Address</b>	SHRI ATARSINGH BABULAL MEENA PRINICIPAL SHIKSHAN PRASARAK MANDAL'S DEPARTMENT OF MANAGEMENT STUDIES, NABIRA MAHAVIDYALAYA, KATOL TAHSIL- KATOL DISTRICT- NAGPUR MAHARASHTRA ( 441302), KATOL, NAGPUR, Maharashtra, 441302	<b>Society/Trust Address</b>	,NAGPUR,NAGPUR,Maharashtra,4 41302
<b>Institution /University Type</b>	Private-Self Financing	<b>Region</b>	Western

**To conduct following Programs / Courses with the Intake indicated below for the Academic Year 2021-22**

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2020-21	Intake Approved for 2021-22	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
MANAGEMENT	POST GRADUATE	MBA	Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	60	60	NA	NA

**It is mandatory to comply with all the essential requirements as given in APH 2021-22 (Appendix 6)**

### **Important Instructions**

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2021-22 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

**Prof.Rajive Kumar  
Member Secretary, AICTE**

Copy \*\* to:

1. **The Director of Technical Education\*\*, Maharashtra**
2. **The Registrar\*\*,  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**
3. **The Principal / Director,**  
SHIKSHAN PRASARAK MANDAL'S, DEPARTMENT OF MANAGEMENT STUDIES, NABIRA MAHAVIDYALAYA, KATOL  
Shri Atarsingh Babulal Meena  
Principial  
Shikshan Prasarak Mandal'S  
Department Of Management Studies,  
Nabira Mahavidyalaya, Katol  
Tahsil- Katol District- Nagpur  
Maharashtra ( 441302),  
Katol,Nagpur,  
Maharashtra,441302
4. **The Secretary / Chairman,**  
  
NAGPUR,NAGPUR  
Maharashtra,441302
5. **The Regional Officer,**  
All India Council for Technical Education  
Industrial Assurance Building  
2nd Floor, Nariman Road  
Mumbai - 400 020, Maharashtra
6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/> .

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\*\* Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

*This is a computer generated Statement. No signature Required*



### राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ

(सेट्रल प्रोव्हिसेस शासन, शिक्षण विभागाची अधिसूचना क्रमांक ५१३ दिनांक १ ऑगस्ट, १९२३ द्वारा स्थापित, व महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ सन २०१७ चा महाराष्ट्र अधिनियम क्रमांक ६) द्वारा संचालित राज्य विद्यापीठ)

### महाविद्यालय विकास विभाग

छत्रपती शिवाजी महाराज प्रशासकीय परिसर, रविंद्रनाथ टागोर मार्ग, नागपूर - ४४०००९  
दुरध्वनी क्रमांक: ०७१२-२५२९९३२ फॅक्स नं: ०७१२-२५५५७०९, E-mail ID: infoarcollege@ymail.com

क्र.म.वि./७२४

दिनांक : 11-08-2021

प्रती,

प्राचार्य,

नविरा महाविद्यालय

धंतोली ता.- काटोल, जि.- नागपूर - 441302

विषय :- महाविद्यालयाचे शैक्षणिक अंकेक्षणानुसार निरंतर संलग्निकरण प्रदान करणेबाबत.

महोदय/महोदया,


महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ च्या कलम ३७(j),(k) व ११४ नुसार आपल्या महाविद्यालयातील चालू अभ्यासक्रमांचे निरंतर संलग्निकरण सत्र २०२१-२२ करीता वाढविण्यासाठी आपण दि. २९-१०-२०२० रोजी शैक्षणिक अंकेक्षण करण्याकरिता सादर केलेल्या अर्जाच्या संदर्भात आपणांस कळविण्यात येते की, पडताळणी समितीने महाविद्यालयास प्रत्यक्ष भेट देवून सादर केलेल्या अहवालावर शैक्षणिक अंकेक्षण समितीने केलेल्या शिफारशीस अधिष्ठाता मंडळाने तसेच विद्या परिषदेच्या वतीने मा. कुलगुरूंनी महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम २०१६ च्या कलम १२(७) अंतर्गत आपल्या महाविद्यालयाला खालील प्रमाणे नमूद अभ्यासक्रमांचा निरंतर संलग्निकरण काळ वाढविण्यास दि. ०५-०८-२०२१ ला मान्यता दिली आहे.

अधिष्ठाता मंडळाने तसेच विद्या परिषदेच्या वतीने मा. कुलगुरूंनी खालील प्रमाणे नमूद केलेल्या अभ्यासक्रमांना सत्र २०२१-२२ पासून २०२३-२४ पर्यंत निरंतर संलग्निकरण प्रदान करण्यात येत आहे.

अ.क्र.	विद्याशाखा	अभ्यासक्रम / विषय / प्रवेश क्षमता	वर्ष
1	मानवीय शास्त्र	बी.ए.(फिलॉसॉफी)	सत्र २०२१-२२ ते २०२३-२४ पर्यंत
2	वाणिज्य व व्यवस्थापन	बॅचलर ऑफ कॉमर्स[As Per Syllabus] -120 विद्यार्थी, मास्टर ऑफ कॉमर्स[As Per Syllabus] -80 विद्यार्थी, मास्टर ऑफ बिजिनेस अँडमिनीस्ट्रेशन[As Per Syllabus] -60 विद्यार्थी	सत्र २०२१-२२ ते २०२३-२४ पर्यंत
3	विज्ञान व तंत्रज्ञान	मास्टर ऑफ सायंस (मायक्रोबायोलॉजी)[As Per Syllabus] -22 विद्यार्थी, बॅचलर ऑफ सायंस(बायोलॉजी) (जैविकतंत्रज्ञान) (रसायन शास्त्र) (संगणक विज्ञान) (इंग्रजी) (मराठी) (गणित) (सूक्ष्मजिव शास्त्र) (भौतिक शास्त्र) (प्राणीशास्त्र) ] -100 विद्यार्थी, मास्टर ऑफ सायंस (फिजिक्स)(भौतिक शास्त्र) ] -22 विद्यार्थी	सत्र २०२१-२२ ते २०२३-२४ पर्यंत

टिप : बी.ए- (२२० प्रवेश क्षमता), बी.कॉम- मराठी माध्यम (१२० प्रवेश क्षमता ) व बी.एस.सी.- (१२० प्रवेश क्षमता) या अभ्यासक्रमास कार्याग संलग्निकरण प्राप्त आहे. तसेच वरील नमूद एम. कॉम अभ्यासक्रम (मराठी व इंग्रजी माध्यम) प्रत्येकी ८० प्रवेश क्षमता आहे.

आपला विश्वासू,



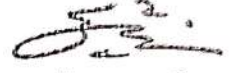
( डॉ.रमण मदने )

उपकुलसचिव  
(अति.कार्य)

रा.तु.म. नागपूर विद्यापीठ, नागपूर

प्रत माहितीकरिता अग्रेषित :-

१. मा. संचालक (परीक्षा व मुल्यमापन मंडळ), रा.तु.म. नागपूर विद्यापीठ, नागपूर



( डॉ.रमण मदने )

सहायक कुलसचिव (म.वि.)

रा.तु.म. नागपूर विद्यापीठ, नागपूर



साक्षांकित  
प्राचार्य  
नवीरा महाविद्यालय, काटोल

## Academic Calendar

2021-22

Month	Date	Event
August	02-08-21	<ul style="list-style-type: none"> <li>• Meeting of Admission Committee.</li> </ul>
		<ul style="list-style-type: none"> <li>• Admission Process for various Programmes.</li> </ul>
		<ul style="list-style-type: none"> <li>• Appointment of Contributory Teachers for vacant posts.</li> <li>• Counseling of Students during Admission Process.</li> </ul>
	15-08-21	<ul style="list-style-type: none"> <li>• Independence Day Celebration.</li> </ul>
		<ul style="list-style-type: none"> <li>• Formation of Various Classes.</li> </ul>
	--	<ul style="list-style-type: none"> <li>• Commencement of Regular theory and Practical Classes of Odd semesters.</li> </ul>
	--	<ul style="list-style-type: none"> <li>• Principal's Address.</li> </ul>
September		<ul style="list-style-type: none"> <li>• Enrollment of Students in NCC, NSS, etc.</li> </ul>
	05-09-21	<ul style="list-style-type: none"> <li>• Teachers' Day Celebration.</li> <li>• Workload distribution among the Teachers.</li> <li>• Drill and Paved training for N.C.C. Cadet.</li> <li>• S.I.P. Projects to M.B.A.</li> <li>• Guest Lectures.</li> <li>• Meeting of Women's Grievance Committee</li> <li>• Tree Planting and beautification.</li> <li>• Orientation Program for Sem.- I M.B.A. Students.</li> </ul>
October	02-10-21	<ul style="list-style-type: none"> <li>• Celebration of Gandhi Jayanti &amp; Swachhata Abhiyan.</li> </ul>
		<ul style="list-style-type: none"> <li>• Filling up of University Examination forms and collection of Exam fees.</li> <li>• Participation in various inter collegiate completion organized by R.T.M. Nagpur University.</li> <li>• Guest Lectures organized.</li> <li>• Training &amp; Placement &amp; Soft Skill workshop (M.B.A.)</li> </ul>
	--	<ul style="list-style-type: none"> <li>• Semester end Viva-Voce (Internal Assessment)</li> <li>• University Examinations</li> <li>• Participation in Inter University Sports Activity.</li> <li>• Participation of N.C.C. Students in combined annual training Camp.</li> </ul>

**Winter Vacation 31-10-2021 to 10-11-2021**

November		<ul style="list-style-type: none"> <li>• Commencement of second academic session</li> <li>• University Examinations.</li> </ul>
	26-11-21	<ul style="list-style-type: none"> <li>• Celebration of Constitution Day.</li> <li>• To Guide Students for examination.</li> </ul>
December	--	<ul style="list-style-type: none"> <li>• University Examinations.</li> <li>• Organization of Cultural Events</li> </ul>
	--	<ul style="list-style-type: none"> <li>• Educational Tours.</li> <li>• Commencement of Regular Classes of Even semesters</li> <li>• NSS, NCC Camp.</li> <li>• Participation in various inter collegiate competition.</li> </ul>
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January	03-01-22	<ul style="list-style-type: none"> <li>• Savitribai Fule Jayanti</li> </ul>
	12-01-22	<ul style="list-style-type: none"> <li>• Late. Shri Bhikulalji Nabira Birth Anniversary (Chief Donor)</li> </ul>
	--	
	--	<ul style="list-style-type: none"> <li>• Alumini Meeting.</li> </ul>
	12-01-22	<ul style="list-style-type: none"> <li>• Jijau masaheb Jayanti/Swami Vivekanand Jayanti</li> </ul>
	--	<ul style="list-style-type: none"> <li>• Blood Donation Camp.</li> </ul>
		<ul style="list-style-type: none"> <li>• Educational &amp; Industrial Visits.</li> <li>• College Day Celebration</li> </ul>
	23-01-22	<ul style="list-style-type: none"> <li>• Netaji Subhashchandra Bose Jayanti</li> </ul>
	26-01-22	<ul style="list-style-type: none"> <li>• Swacchata Abhiyan and Republic Day Celebration.</li> </ul>
		<ul style="list-style-type: none"> <li>• Guest Lectures / Workshop.</li> <li>• Sport Day Celebration (M.B.A.)</li> <li>• Physical and Medical Test of Students.</li> </ul>
February	05-02-22	<ul style="list-style-type: none"> <li>• Late. Shri Bhikulalji Nabira Death Anniversary (Chief Donor)</li> </ul>
	--	
	--	<ul style="list-style-type: none"> <li>• Guest Lectures on Career Counseling &amp; Placement</li> </ul>
	01-02-22	<ul style="list-style-type: none"> <li>• Live Budget Session.</li> </ul>
	--	<ul style="list-style-type: none"> <li>• First Unit Test.</li> </ul>
	19-2-22	<ul style="list-style-type: none"> <li>• Chhatrapati Shivaji Maharaj Jayanti</li> </ul>
		<ul style="list-style-type: none"> <li>• Yoga Activities</li> </ul>



	23-02-22	<ul style="list-style-type: none"> <li>• Sant GadgeBaba Jayanti</li> </ul>
March	--	<ul style="list-style-type: none"> <li>• Parents Meet.</li> <li>• Second Unit Test.</li> <li>• Semester End Viva-Voce (Internal Assessment)</li> <li>• University Examinations</li> </ul>
	08-03-22	<ul style="list-style-type: none"> <li>• International Women's Day.</li> <li>• Guest Lecturers.</li> </ul>
	23-02-22	<ul style="list-style-type: none"> <li>• Shahid Din</li> </ul>
April	--	<ul style="list-style-type: none"> <li>• Students Feedback.</li> <li>• University Examinations</li> </ul>
	11-04-22	<ul style="list-style-type: none"> <li>• Mahatma Jyotiba fule Jayanti</li> </ul>
	14-04-22	<ul style="list-style-type: none"> <li>• Dr. Babasaheb Ambedkar Jayanti</li> </ul>
	28-04-22 30-04-22	<ul style="list-style-type: none"> <li>• Mahatma Basweshwar Jayanti</li> <li>• Rashatrasant Tukdoji Maharaj Jayanti</li> <li>• Internal Assessment of Students.</li> </ul>
May	01-05-22 03-05-22	<ul style="list-style-type: none"> <li>• Celebration of Maharashtra Day</li> <li>• Mahatma Basweshwar Jayanti</li> <li>• University theory and practical Examination.</li> <li>• Clearances of Students.</li> </ul>
<b>Summer Vacation</b> <b>From 09-05-22 to 21-06-22</b>		

**DEPARTMENT OF PHYSICS, NABIRA MAHA VIDYALAYA, KATOL**

**ACTON PLAN FOR SESSION: 2021-2022**

1. To inculcate awareness regarding Covid-19 and safety measures among students
2. Use of Audio-Visual aids for effective teaching.
3. To organize National Level Webinar
4. Implementation of Bride Course Programme for First year Students
5. Evaluation of students by conducting Unit tests/ Assignments (Online mode)
6. Effective communication about recent articles as per subject upgradation in Physics
7. To organize students seminar in the classes(online)
8. Participation of students in activities organized by various Societies/Association related to Physics (online)
9. Participation as well presentation of research paper in National/Inter National conferences/Webinar by faculty members.
10. Publication of research papers in National/Inter National journals.
11. To disseminate PDF of notes among the students



Head

Department of Physics

## NABIRA MAHAVIDYALAYA, KATOL

### TEACHING PLAN- 2021-2022

Name of the Teacher: **Dr. A.B.Sharma**

Department: **Physics**

Month	Class	Paper	Topics proposed to be covered
Aug	B.Sc.Sem V	II	<u>Unit I:</u> Quantum mechanics- Failure of classical physics to explain black body spectra, Planck's radiation law, Compton Effect, Wave particle duality, de Broglie's hypothesis, Concept of wave and group velocity, Experimental demonstration of matter waves, Davisson and Germer experiment, Heisenberg's uncertainty principle and Thought experiment.
	B.Sc. Sem III	II	<u>Unit I</u> <u>Interference of light:</u> Introduction, Principle of superposition, Coherence requirement for the sources, Interference in thin films observed in reflected and transmitted light, its complimentary nature, Newton's ring and its application to determine the wavelength and refractive index
	B.Sc.Sem I	II	Session commence from 15 <sup>th</sup> September 2021
Sept	B.Sc.Sem V	II	<u>Unit II :</u> Quantum mechanics-Schrodinger's equation (Time dependent and time independent equations), Physical significance of wave function $\psi$ , Operators, Expectation values of a dynamical quantities, Ehrenfest's theorem, Eigen value and Eigen functions, Particle in a box, Application to free particle in a one and three dimension. <u>Unit III :</u> Nanomaterials-Introduction to Nano science and Nanotechnology, Difference between nano materials and bulk materials
	B.Sc.Sem III	II	<u>Unit I:</u> Michelson Interferometer and its application to wavelength determination and wavelength difference <u>Unit II:</u> Diffraction of light- Introduction, Fresnel's diffraction- Half period zones, Zone plates, Diffraction due to straight edge and due to narrow slit, Fraunhofer diffraction- Fraunhofer diffraction at a single slit at circular aperture
	B.Sc.Sem I	II	Review of Physics through Induction Program, <u>Unit III :</u> Time varying fields- Electromagnetic induction, Faradays laws in differential and integral form, Lenz's law, self and mutual induction, Transformer, Construction, working and its parameters, Energy losses.

Oct	B.Sc.Sem V	II	<p><u>Unit III</u> : Nanomaterials- Reduction of dimensions 3D, 2D, 1D, 0D materials, various morphologies of nanomaterials, Bottom up and top down approaches, physical and chemical and optical properties of nano materials, photo fragmentation, coulombic explosion</p> <p><u>Unit IV</u> : Nanotechnology-Different methods of synthesis of nanomaterials (Wet chemical &amp; Sol-gel, ball milling and physical vapor deposition techniques)</p>
	B.Sc.Sem III	II	<p><u>Unit II</u>: Plane diffraction grating and its application, Resolving power of grating, Rayleigh's criterion for resolution</p> <p><u>Unit III</u> : Polarization- Introduction, Brewster's law, Polarization by scattering (concept only), Blue color of the sky(only idea), Uniaxial and biaxial crystal , positive and negative crystal, ordinary and extraordinary rays, Nicol prism, its application as an analyzer and polarizer, Double refraction in uniaxial crystal, phase retardation plate ( Half and Quarter wave).</p>
	B.Sc. Sem I	II	<p><u>Unit III</u> :Electric Currents-Current density, Equation of continuity, Kirchoff's law, Rise and decay of current in LR and CR circuits, Decay of charge in LCR circuits.</p> <p><u>Unit IV</u> : Electric Currents-Application of complex number in solving an a. c. circuit, i- operator method, A.C. applied to pure resistive, pure inductive and pure capacitive circuit</p>
<b>1<sup>st</sup> November to 10<sup>th</sup> November Dipawali Vacation</b>			
Nov	B.Sc. Sem V	II	Revision
	B.Sc. Sem III	II	<p><u>Unit IV</u> : EM Waves- Introduction to EM spectrum related to wavelength, origin and characteristics of EM waves, Physical significance of Maxwell's equations, EM wave equations (in conducting medium and in free space), It's transverse nature, Plane polarized EM wave (<math>E_0/H_0=</math>), Characteristics impedance of dielectric, Pointing vector, Poynting theorem.</p>
	B.Sc. Sem I	II	<p><u>Unit IV</u> : Application of j- operator in LR,CR and LCR circuit, Resonance, Sharpness of resonance, Series resonance circuit (Calculate <math>I, Z, \Phi</math> and <math>f_r</math>), <math>\Omega</math> factor, Power in an a. c. circuit, Power factor.</p> <p><u>Unit I</u>: Electrostatics-Coulombs law in vacuum in vector form, Force between two charges, Electric field intensity, Electric potential, Electric field intensity due to a point charge, Electric dipole, Electric dipole moment, Electric field intensity due to an electric dipole, Electric field as a negative gradient of potential, Conservative nature of the electric field.</p>

Dec	B.Sc. Sem V	II	Dec 01/12/21 onwards RTMNU Examinations
	B.Sc. Sem III	II	Dec 01/12/21 onwards RTMNU Examinations
	B.Sc. Sem I	II	Unit II: Dielectric-Introduction, definition of polar and non polar molecules, Polarization of charges in a dielectric, Clausius - Mossitti equation, Three electric vectors D, E and Pand relation between them, Concept of capacitance, Parallel plate capacitor without and with dielectric, application of Gauss's law to parallel plate capacitor.

### EVEN SEMESTERS

Month	Class	Paper	Topic to be covered
10 <sup>th</sup> Jan 2021 Onwards	B.Sc. Sem II	II	Unit I: Gravitation- Kepler's laws of Planetary motion (statement only), Newton's law of gravitation, Relation between G and $G_c$ , Gravitational field, Gravitational potential, Gauss's theorem, Gravitational potential and intensity due to uniform solid sphere at a point inside and outside the sphere, Gravitational self energy of a galaxy.
	B.Sc. Sem IV	I	Unit I: Solid state physics- Introduction, Crystal structure, periodicity, lattices and basis, fundamental translation vector, unit cell and primitive cell, Miller indices, allowed rotations, lattice types, lattice planes, Bravais lattices, packing fraction, coordination number, Inter-planer distances, Crystal structures- Na Cl, diamond, CsCl, ZnS etc.
	B.Sc. Sem VI	I	Unit I- Relativity: Frame of reference, Inertial and non inertial frames, Galilean transformation equations, Galilean invariance, Michelson-Morley experiment, Postulates of the special theory of relativity, Lorentz transformations, Length contraction, Time dilation, Velocity addition theorem, Variation of mass with velocity, Mass energy equivalence
Feb	B.Sc. Sem II	II	Unit II: Astrophysics- The constituents of universe (Solar system, Stars, Galaxies), Introductory study of solar systems, To measure size of a planet ( $d=D\alpha$ ), To measure distance of a planet by parallax method ( $D=b/\theta$ ), Mass of the sun and the planet ( $M=4\pi r^2 \rho / GT^2$ ), Structure of sun, Solar interior, Surface temperature of sun ( $T=[R/r]^{1/2} \cdot [S/\sigma]^{1/4}$ ), Solar luminosity, Stellar spectra, The Milky way (Shape, size, clusters), Cosmological theories of the universe (Concept only).
	B.Sc. Sem IV	I	Unit II: Solid state physics- Reciprocal lattice, Wigner Seitz cell, Geometrical relation between direct and reciprocal lattice, Laue's theory of X-ray diffraction, Bragg's law and Bragg's diffraction conditions in direct and reciprocal lattice, Laue's pattern, Bragg's spectrometer and its applications (wavelength determination and simple cubic structure determination).

	B.Sc. Sem VI	I	Unit II Nuclear physics: G.M. counter, Wilson cloud chamber, Cyclotron, Linear accelerator, Nuclear reaction, Discovery of neutron, Packing fraction, Mass defect and binding energy, Nuclear fission, Liquid drop model, Chain reaction, Nuclear reactors, Nuclear fusion, Shell model of the nucleus.
Mar	B.Sc. Sem II	II	Unit III: Magnetism-Introduction, Magnetic materials, Langevin's theory of diamagnetism, its application as superconductor, Critical magnetic field and Meissner effect, Languevin's theory of para magnetism, Ferromagnetism, Ferromagnetic domain, Curie temperature, Ferrimagnetics, Ferrites and its applications, Anti ferromagnetism, Neel temp.
	B.Sc. Sem IV	I	Unit III X-ray: Introduction, discrete and continuous X-ray spectra, Main feature of continuous X-ray spectra, Characteristics X-ray spectra, Duane-Hunt law, X-ray emission spectra, Moseley law its importance and applications, Auger effect, X-ray absorption spectra, applications of X-rays in various fields
	B.Sc. Sem VI	I	Unit III Nuclear physics: Alpha decay, Range of $\alpha$ particle, Geiger Nuttal law, Magnetic spectrometer for energy of $\alpha$ particle, Tunneling, Gamow's theory of $\alpha$ decay, $\beta$ -decay, Measurement of energy of $\beta$ particle and end point energy, Neutrino theory of $\beta$ -decay, $\gamma$ -decay, Energy of $\gamma$ photon.
April	B.Sc. Sem II	II	Unit IV: Magneto statics- Concept of magnetic field, Lorentz force equation, Magnetic dipole moment, angular momentum and gyro magnetic ratio, Biot- Saverts law, It's applications ( B due to steady current in a long straight wire, B along the axis of circular coil), Ampere's law, It's applications (B for a solenoid, A Toroid), Magnetization current, Magnetic vectors, Gauss law of magnetization.
	B.Sc. Sem IV	I	Unit IV Laser: Introduction to Laser (purity of spectral line, spatial and temporal coherence) Einstein's relation, absorption, spontaneous and stimulated emission, Population inversion, Optical pumping, characteristics of laser beam, three level and four level laser system, Ruby laser, He-Ne laser, Semiconductor laser, Application of lasers
May	B.Sc. Sem II	II	Revision and Terminal Exam
	B.Sc. Sem IV	I	Revision and Terminal Exam
	B.Sc. Sem VI	I	Revision and Terminal Exam

(Dr. A. B. Sharma)

Associate Professor

*A. B. Sharma*

NABIRA MAHAVIDYALAYA,KATOL

PROFORMA OF TEACHING PLAN- 2021-2022 (Odd Semesters)

Name of the Teacher: **Dr. L.H.Dhadade**

Department: **Physics**

Month	Class	Paper	Topics proposed to be covered
August	B.Sc.III (Sem V)	I	Unit I (ATOMIC PHYSICS ) : Foundation of concept of atom by faradays, Rutherford, J.J.Thomson, Bohr's atomic models, its revision by Sommerfeld, its drawbacks.
	B.Sc.I (Sem-I)		Deeksharambh Programme for First Year Student on 09/09/2021
Sept			Bridge Course for First Year Student Module 1 on 14/09/2021
			Introductory Lecture on scheme of examination, Syllabus pattern etc.
	B.Sc.II (Sem-II)	I	Unit I : Standing waves, Harmonics,Quality of sound, Limits of human audibility,Intensity & loudness, The musical scale, Musical instruments
	B.Sc.III (Sem V)	I	Unit II (FREE ELECTRON THEORY)
Oct	B.Sc.I (Sem-I)	I	Unit I (ELASTICITY)
	B.Sc.II (Sem-II)	I	Unit II (APPLIED ACOUSTICS) : Transducers & their characteristics, Recording & Reproduction of sound, Acoustic of building, reverberation period, Sabine's formula, requirement of good acoustics
	B.Sc.III (Sem V)	I	Unit III (STATISTICAL PHYSICS) : $\mu$ - space, Gamma space, probability distribution, thermodynamic probability, Principle of a priori probability, Boltzmann's entropy relation, accessible and inaccessible states, macro and micro states, Maxwell- Boltzmann distribution law, its application to molecular speed, distinction between mean, r. m. s.and most probable speed values.
Nov	B.Sc.I (Sem-I)	I	Unit II : (VISCOSITY)
	B.Sc.II (Sem-II)	I	Unit III (SURFACE TENSION)
	B.Sc.III (Sem-III)	I	Unit III(ULTRASONIC) – Piezoelectric and magnetostiction effect and oscillators , Properties of Ultrasonic, Applications of ultrasonic wave (SONAR, measurement of depth of sea, medical sciences)
	B.Sc.III (Sem V)	I	Unit IV (QUANTUM STATISTICAL MECHANICS)
Dec	B.Sc.I (Sem-I)	I	Unit III (MECHANICS):-Newton's law of motion, motion in a plane, components of velocity and acceleration in different coordinate system, Centripetal acceleration, Coriolis forcecandis applications.
	B.Sc.II (Sem-II)	I	Unit IV (MECHANICS)
	B.Sc.III (Sem V)	I	Unit IV(POWER SUPPLY)  REVISION OF PAPER I & ASSIGNMENTS

NABIRA MAHAVIDYALAYAKATOL

PROFORMA OF TEACHING PLAN- 2021-2022 (Even Semesters)

Name of the Teacher: Dr. I.H.Dhadade

Department: **Physics**

Month	Class	Paper	Topics proposed to be covered
January	B.Sc.I (Sem II)	I	<u>Unit I (FREE OSCILLATIONS &amp; DAMPED OSCILLATIONS)</u>
	B.Sc.II (Sem IV)	II	<u>Unit I (SOLID STATE ELECTRONICS)</u>
	B.Sc.II (Sem VI)	II	<u>Unit I (AMPLIFIERS)</u>
February	B.Sc.I (Sem-II)	I	<u>Unit II (FORCED OSCILLATIONS) &amp; Piezoelectric Effect</u>
	B.Sc.II (Sem-IV)	II	<u>Unit II (FIELD EFFECT TRANSISTORS)</u>
	B.Sc.III (Sem VI)	II	<u>Unit II (FIBER OPTICS)</u>
	B.Sc.I (Sem II)	I	<u>Unit III (KINETIC THEORY OF GASES &amp; TRANSPORT PHENOMENON IN GASES)</u>
March	B.Sc.II (Sem-IV)	II	<u>Unit III (MOLECULAR PHYSICS)</u>
	B.Sc.III (Sem VI)	II	<u>Unit III (COMMUNICATION ELECTRONICS)</u>
	B.Sc.I (Sem II)	I	<u>Unit IV (THERMODYNAMICS)</u>
April	B.Sc.II (Sem-IV)	II	<u>Unit IV (RAMAN SPECTROSCOPY)</u>
	B.Sc.III (Sem VI)	II	<u>Unit IV (DIGITAL ELECTRONICS)</u>

*I.H.Dhadade*  
Dr. I.H.Dhadade  
(Assistant Professor in P)



# Nabira Mahavidyalaya Katol

## Time Table

### M.Sc. Physics Semester I

(Choice based credit system) (Semester Pattern) (2021-22)

Day/Time	8.00 to 9.00am	9.00 to 10.00am	10.00 to 11.20 am	11.20 to 11.30	11.30 to 12.30pm	12.30 to 1.30 pm	1.30 to 2.30 pm
Monday	PR I (AW + YM)			Break	C.A(AW)	EI(YM)	E.D (YM)
Tuesday	PR I (AW + YM)				C.A(AW)	EI(YM)	E.D (YM)
Wednesday	PR II (LG+YM)				M.P(LG)	EI(YM)	E.D (YM)
Thursday	PR II (LG+YM)				M.P (LG)	EI(YM)	E.D (YM)
Friday	M.P(LG)	MP(LG)	C.A (AW)		Seminar		
Saturday	M.P(LG)	C.A (AW)	C.A (AW)				

M.P- Mathematical Physics

C.A-Complex Analysis and Numerical method

EI-Electronics

E.D-Electrodynamics

PR I-Practical Core 1 and 2

PR II- Practical Core 3 and 4

*Mahant*

(Dr. Yogita Mahant)

**INOD**  
P.G.T.D. of Physics  
N.M.V. Katol

**NABIRA MAHAVIDYALAYA KATOL**  
**TIME TABLE**  
**M.SC.(PHYSICS)**  
**SECOND SEMESTER (2021-22)**



Day	10 - 10.55	10.55-11.50	11.50-12.05	12.05-1.00	1.00-1.55	1.55-3.00
Monday	QM(AW)	CM(LG)	B	PR(1) LG		
Tuesday	SM(YM)	CM(LG)	R	PR(1) YM +LG		
Wednesday	CM(LG)		E	ED(YM)	QM(AW)	
Thursday	ED(YM)		A	SM(YM)	Seminar	
Friday	SM(YM)		K	PR(2) YM+AW		
Saturday	QM(AW)	QM(AW)		PR(2) AW		

*Y. P. Mahant*  
 (Dr. Y.P. Mahant)

**HOD**  
**P.G.T.D. of Physics**  
**N.M.V. Katol**



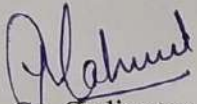
**Nabira Mahavidyalaya Katol**  
**Post Graduate Department of Physics**

**Action Plan**

**Session 2021-22**

The month wise action plan of the Post Graduate department of Physics

Sr.No.	Month	Activity
1	November	Departmental Activity
2	December	Seminar
3	January	-----
4	February	Industrial Visit
5	March	Poster Presentation/
6	April	Departmental Activity

  
Co-Ordinator  
HOD  
P.G.T.D. of Physics  
N.M.V. Katol  
(Dr. Y.P. Mahant)

**DEPARTMENT OF CHEMISTRY  
NABIRA MAHAVIDYALAYA, KATOL**

**ACTION PLAN FOR THE ACADEMIC YEAR 2021-22**

1. It is proposed to form Chemical Society to arrange guest lectures related to important events, visit to useful institutions etc.
2. It is proposed to arrange Remedial Teaching for below average students.
3. It is proposed to arrange Inter-Collegiate students Seminars for students and encourage them to participate actively in such seminars arranged elsewhere.
4. It is proposed to arrange Class-Room Seminar for final year students.
5. It is proposed to arrange Inter-Collegiate students Seminars for students and encourage them to participate actively in such seminars arranged elsewhere.
6. It is proposed to arrange exhibition/poster competition for students and encourage them to participate actively in such events arranged elsewhere.
7. It is proposed to arrange workshop to make aware and handle the sophisticated instruments for teaching and non-teaching staff.
8. It is proposed to arrange workshop to understand good laboratory practices and safety for Non-teaching Laboratory staff.

  
Head

Department of Chemistry  
Nabira Mahavidyalaya, Katol

**NABIRA MAHAVIDYALAYA, KATOL**  
**DEPARTMENT OF CHEMISTRY**  
**TIME-TABLE**  
**2021-2022**

Time/Day	8.48 am to 9.36 am	9.40 am to 10.28 am	10.28 am to 11.16 am	11.20 am to 1.44 pm	1.44 pm to 4.08 pm
Mon	B.Sc. Sem I/II (NVG/KAM) P-I/P-I	B.Sc. Sem III/IV (KAM/ADB) P-II/P-II	B.Sc. Sem V/VI (ADB/NVG) P-II/P-I	B.Sc. Sem V/VI ADB[3]+NVG[2]+NGJ[3]+KAM[2]+MMY[3]	B.Sc. Sem V/VI [Non-Grant]
Tue	B.Sc. Sem I/II (NVG/KAM) P-I/P-I	B.Sc. Sem III/IV (KAM/ADB) P-II/P-II	B.Sc. Sem V/VI (ADB/NVG) P-II/P-I	B.Sc. Sem V/VI ADB[3]+NGJ[3]+KAM[3]+MMY[3]+ST[3]	B.Sc. Sem V/VI [Non-Grant]
Wed	B.Sc. Sem I/II (NVG/KAM) P-I/P-I	B.Sc. Sem III/IV (KAM/ADB) P-II/P-II	B.Sc. Sem V/VI (ADB/NVG) P-II/P-I	B.Sc. Sem III/IV NVG[3]+ADB[3]+NGJ[3]+KAM[3]+MMY[3]+ST[3]	B.Sc. Sem III/IV [Non-Grant]
Thu	B.Sc. Sem I/II (ADB/ADB) P-II/P-II	B.Sc. Sem III/IV (NVG/NVG) P-I/P-I	B.Sc. Sem V/VI (NGJ/NGJ) P-I/P-II	B.Sc. Sem III/IV NVG[3]+NGJ[3]+KMA[3]+ST[3]+PG[3]	B.Sc. Sem III/IV [Non-Grant]
Fri	B.Sc. Sem I/II (ADB/ADB) P-II/P-II	B.Sc. Sem III/IV (NVG/NVG) P-I/P-I	B.Sc. Sem V/VI (NGJ/NGJ) P-I/P-II	B.Sc. Sem I/II NVG[3]+ADB[3]+NGJ[2]+KAM[3]+PG[3]	B.Sc. Sem I/II [Non-Grant]
Sat	B.Sc. Sem I/II (ADB/ADB) P-II/P-II	B.Sc. Sem III/IV (NVG/NVG) P-I/P-I	B.Sc. Sem V/VI (NGJ/NGJ) P-I/P-II	B.Sc. Sem I/II NVG[3]+NGJ[3]+KAM[3]+PG[3]	B.Sc. Sem I/II [Non-Grant]

Strength	Batches	Practicals	Theory	Total
1. B.Sc. Sem I/II - 80	05	30	06	36
2. B.Sc. Sem III/IV - 99	06	36	06	42
3. B.Sc. Sem V/VI - 102	06	36	06	42

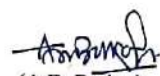
**Total 102 Total 18 Total 120**

Allotted Workload	T	P	Total
1. Dr. A.D. Borkar	06	12	18
2. Shri. N.V. Gandhare	06	14	20
3. Shri. N.G. Jadhav	03	17	20
4. Shri. K.A. More	03	17	20

**CHB**

1. Dr. Manish Yeole	---	09	09
2. Dr. Shivani Thakur	---	09	09
3. Mrs. Poonam Gupta	---	09	09

Total workload - 120  
Allotment - 105  
Excess - 15

  
(A.D. Borkar)  
Head, Chemistry Deptt  
Nabira Mahavidyalaya, Katol  
N.M.V. Katol



**Shikshan Prasarak Mandal's**  
**NABIRA MAHAVIDYALAYA , KATOL**  
**DEPARTMENT OF CHEMISTRY**

**NOTICE**

**Date: 30/04/2022**

It is kindly informed to all the faculty members that there is meeting on 30/04/2022 at 11:00 am to discuss syllabus completion of SEM II, IV & VI.

All are requested to attend meeting positively.

Dr. A. D. Borkar

Head Department of Chemistry

**Head, Chemistry Deptt**  
**Nabira Mahavidyalaya, Katol**



**Shikshan Prasarak Mandal's**  
**NABIRA MAHAVIDYALAYA , KATOL**  
**DEPARTMENT OF CHEMISTRY**

**NOTICE**

**Date: 22/12/2021**

It is kindly informed to all the faculty members that there is meeting on 22/12/2021 at 11:00 am to discuss syllabus completion of SEM I, III & V.

All are requested to attend meeting positively.

Dr. A. D. Borkar

Head Department of Chemistry

**Head, Chemistry Deptt**  
**Nabira Mahavidyalaya, Katol**


## Department of Chemistry

Nabira Mahavidyalaya, Katol

Academic Year-2021-2022

Completion of syllabus for SEM I, III, V, II, IV & VI.

Sr. No.	Name of Teacher	Subject	Class	Paper	% of Syllabus Completed
1.	Dr. A. D. Borkar	Chemistry	B.Sc Sem I	P – II	95%
			B.Sc Sem V	P – II	96%
2.	Dr, A. V Gandhare	Chemistry	B.Sc Sem I	P – I	95%
			B.Sc Sem III	P – I	96%
3.	Mr. N. G Jadhoo	Chemistry	B.Sc Sem V	P – I	95%
4.	Mr. K A. More	Chemistry	B.Sc Sem III	P – II	95%
1.	Dr. A. D. Borkar	Chemistry	B.Sc Sem II	P – II	95%
			B.Sc Sem IV	P – II	96%
2.	Dr, A. V Gandhare	Chemistry	B.Sc Sem IV	P – I	95%
			B.Sc Sem VI	P – I	96%
3.	Mr. N. G Jadhoo	Chemistry	B.Sc Sem VI	P – II	95%

  
Head, Chemistry Deptt  
Nabira Mahavidyalaya, Katol



NABIRA MAHAVIDYALAYA, KATOL  
TEACHING PLAN - 2021-22  
To be submitted to the Teacher appraisal Committee

Name of Teacher : Prof. A. D. BORKAR  
Subject/Paper : Chemistry Paper-II

Dept. : Chemistry  
Class : B.Sc. Sem. I, V  
II & IV

Month	Subject/Paper	Topics to be covered
June		
July	B.Sc. Sem V Che. P-II	Unit-IV: Colligative Properties
	B.Sc. Sem I Che. P-II	Unit-II: Gaseous State
August	B.Sc. Sem. V Che. P-II	Unit-IV: Colligative Properties
	B.Sc. Sem. I Che. P-II	Unit-II: Gaseous State
September	B.Sc. Sem. I Che. P-II	Unit-II: Gaseous State
	B.Sc. Sem. V Che. P-II	Unit-III: Photochemistry
October	B.Sc. Sem. I Che. P-II	Unit-III: Liquid State
	B.Sc. Sem. V Che. P-II	Unit-II: Quantum Chemistry
November	B.Sc. Sem. I Che. P-II	Unit IV: Surface Che.
	B.Sc. Sem. V Che. P-II	Unit-I: Electrochemistry
December	B.Sc. Sem. I Che. P-II	Unit-I: Thermodynamics
	B.Sc. Sem. V Che. P-II	Unit-I: Electrochemistry
January	B.Sc. Sem. II Che. P-II	Unit-I: Thermodynamics
	B.Sc. Sem. IV Che. P-II	Unit-I: Solid State
February	B.Sc. Sem. II Che. P-II	Unit-I: Thermodynamics
	B.Sc. Sem. IV Che. P-II	Unit-I: Solid State
March	B.Sc. Sem. II Che. P-II	Unit-II: Phase Equilibria
	B.Sc. Sem. IV Che. P-II	Unit II: Electrochemistry
April	B.Sc. Sem. II Che. P-II	Unit III: Nuclear Chem.
	B.Sc. Sem. IV Che. P-II	Unit-III: Spectroscopy
May	B.Sc. Sem. II Che. P-II	Unit IV: Chemical Kinetics
	B.Sc. Sem. IV Che. P-II	Unit IV: Quantum Chem.

Signature  
Head, Chemistry Deptt

Nabira Mahavidyalaya, Katol



## Nabira Mahavidyalaya, Katol

### Teaching Plan -2021-2022

To be submitted to the Teacher Appraisal Committee

Name of Teacher: Dr. Nilesh V. Gandhare

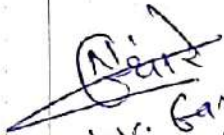
Dept: Chemistry

Subject/Paper: Chemistry, P-I & P-II.

Class: B.Sc. Sem-III, P-II, Sem-II, P-I

Month	Subject	Unit	Topic to be covered
June			
July			
August	B.Sc. Sem-I	Unit-I	Atomic Structure, Periodic Properties.
	B.Sc. Sem-III	Unit-I	VSEPR Theory, MO Theory.
September	B.Sc. Sem-I	Unit-II	Ionic bond, Covalent Bond.
	B.Sc. Sem-III	Unit-II	Chemistry of element of first transition series, Chemistry of element of second and third transition series.
October	B.Sc. Sem-I	Unit-III	S- block elements, Chemistry of Noble Gases.
	B.Sc. Sem-III	Unit-III	Chemistry of Lanthanide, Chemistry of Actinides.
November	B.Sc. Sem-I	Unit-IV	P-block elements, Food Adulteration and Detection.
	B.Sc. Sem-III	Unit-IV	Errors in Chemical Analysis, Soil Chemistry.
December	B.Sc. Sem-IV		Revision
	B.Sc. Sem-VI		Revision
January	B.Sc. Sem-IV	Unit-I	Coordination compounds
	B.Sc. Sem-VI	Unit-I	Metal ligand bonding in Transition Metal Complexes, Electronic spectra of Transition Metal Complexes
February	B.Sc. Sem-IV	Unit-II	Isomerism in coordination compounds, Oxidation and reduction.

Month	Subject	Unit	Topic to be covered
February	B.Sc. Sem-VI	Unit-II	Magnetic Properties of Transition Metal Complexes, Thermodynamic and Kinetic aspect of metal complexes.
March	B.Sc. Sem-IV	Unit-III	Organometallic Chemistry, Metal carbonyls.
	B.Sc. Sem-VI	Unit-III	Colorimetry and Spectrophotometry, Separation Techniques.
April	B.Sc. Sem-IV	Unit-IV	Bioinorganic Chemistry, Hard and Soft Acids and Bases.
	B.Sc. Sem-VI	Unit-IV	Inorganic Polymers: Silicones, Phosphonitrilic halide polymers.
May	B.Sc. Sem-IV		Revision
	B.Sc. Sem-VI		Revision

  
 CDR N.V. Gandhara  
 NMV Kato 1



## Nabira Mahavidyalaya, Katol

### Teaching Plan -2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of Teacher: Mr.Nilesh G.Jadhao

Dept: Chemistry

Subject/Paper: Chemistry,P-I &P-II

Class:B.Sc. Sem-V, P-I, Sem-VI, P-II

Month	Subject	Unit	Topic to be covered
June			
July			
August	B.Sc. Sem- V	Unit- I ( Chem P-I)	Nitro compounds and Amines
September	B.Sc. Sem-V	Unit- II ( Chem P-I)	Heterocyclic Compounds
October	B.Sc. Sem-V	Unit-III ( Chem P-I)	Quantitative Analysis and Organometallic Compounds
November	B.Sc. Sem-V	Unit- IV ( Chem P-I)	Electronic Spectroscopy and Infrared Spectroscopy
December	B.Sc. Sem-VI	Unit- I ( Chem P-II)	Nuclear Magnetic Resonance Spectroscopy
January	B.Sc. Sem-VI	Unit-II( Chem P-II)	Organic Synthesis via Enolates
February	B.Sc. Sem-VI	Unit-II( Chem P-II)	Carbohydrates
March	B.Sc. Sem-VI	Unit -III( Chem P-II)	Amino acids,Peptide and Proteins ,Nucleic acids,fats ,oils and detergents
April	B.Sc. Sem-VI	Unit-IV ( Chem P-II)	Synthetic dyes,drugs and polymers
May	B.Sc. Sem-VI	Unit-IV ( Chem P-II)	Synthetic dyes,drugs and polymers

  
**Mr. Nilesh G. Jadhao**  
Assistant Professor  
Department of Chemistry  
Nabira Mahavidyalaya, Katol



## Nabira Mahavidyalaya, Katol

### Teaching Plan -2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of Teacher: Mr. Kailas A. More

Dept: Chemistry

Subject/Paper: Chemistry, P-I & P-II

Class: B.Sc. Sem-III, P-II, Sem-II, P-I

Month	Subject	Unit	Topic to be covered
June			
July			
August	B.Sc. Sem-III	Unit-I	Orientation, Alkyl and Aryl halides, Polyhalogen compounds
September	B.Sc. Sem-III	Unit-II	Alcohol-dihydric alcohol, Trihydric alcohols, Phenols
October	B.Sc. Sem-III	Unit-III	Aldehydes and ketones
November	B.Sc. Sem-III	Unit-IV	Carboxylic Acids, Dicarboxylic acids, Carboxylic Acid derivatives, Agrochemicals
December	B.Sc. Sem-II	Unit-I	Structure and Bonding, Mechanism of Organic Reactions
January	B.Sc. Sem-II	Unit-II	Stereochemistry of Organic Compounds, Geometrical isomerism
February	B.Sc. Sem-II	Unit-III	Alkanes, Cycloalkanes
March	B.Sc. Sem-II	Unit -III	Alkenes
April	B.Sc. Sem-II	Unit-IV	Dienes, Alkynes
May	B.Sc. Sem-II	Unit-IV	Fuel Chemistry

**Mr. Kailas A. More**

Assistant Professor

Department of Chemistry

Nabira Mahavidyalaya, Katol

Name

## DEPARTMENTAL ACTION PLAN

Session :- 2021-2022

### PG DEPARTMENT OF CHEMISTRY

Sr. No.	Events/Particulars (Semester I)	Month Wise Plan
1	Meetings of Mentor and mentee	Second week of August 2021
2	Student Seminars	Frist week of September 2021
3	Visit and training course for pharma laboratory	Last Week of September 2021
4	Organize Guest Lecture Serise on the memory of Bhikulalji Nabira	Last week of January 2022
5	Educational Visit and tour	First week of March.2022
6	Workshop on Chemistry Research Lab Techniques	Second Week of March 2022
7	Workshop Basic Chemical Drawing Tools	Last Week of March 2022
8	Industrial Visit	First week of April 2022



Co-ordinator

P.G. Department of Chemistry  
Nabira Mahavidyalaya, Katol



Nabira Mahavidyalaya katol

Time Table for M.Sc. (Chemistry) SEM-I Winter (2021)

Day/ Time	9.30 to 10:30 AM	10:30 to 11:30 AM	11:30 to 12.30 AM	12.30 to 1.00 P.M.	1.00 to 2.00 PM	2.00 to 3.00 PM	3.00 to 4.00 PM
Monday	Analytical Chemistry (BRK)	Physical Chemistry (SRS)	Inorganic Chemistry (RBB)	Lunch Break	Analytical Chemistry Practical (NVG+KMM)		
Tuesday	Analytical Chemistry (BRK)	Physical Chemistry (SRS)	Inorganic Chemistry (RBB)	Lunch Break	Analytical Chemistry Practical (NVG+KMM)		
Wednesday	Inorganic Chemistry (RBB)	Physical Chemistry (SRS)	Organic Chemistry (NRS)	Lunch Break	Analytical Chemistry Practical (NVG+KMM)		
Thursday	Inorganic Chemistry (RBB)	Physical Chemistry (SRS)	Organic Chemistry (NRS)	Lunch Break	Organic Chemistry Practical (KAMA) (RBB)		
Friday	Analytical Chemistry (BRK)	Organic Chemistry (KAM)	Inorganic Chemistry (RBB)	Lunch Break	Organic Chemistry Practical (NGS) (RBB)		
Saturday	Analytical Chemistry (BRK)	Organic Chemistry (NGS)	Inorganic Chemistry (RBB)	Lunch Break	Organic Chemistry Practical (NGS) (RBB)		

  
 Co-ordinator  
 P.G. Department of Chemistry  
 Nabira Mahavidyalaya, Katol

Nabira Mahavidyalaya katol

Time Table for M.Sc. (Chemistry) SEM-II Winter (2021)

Day/ Time	9.30 to 10:30 AM	10:30 to 11:30 AM	11:30 to 12.30 AM	12.30 to 1.00 P.M.	1.00 to 2.00 PM	2.00 to 3.00 PM	3.00 to 4.00 PM
Monday	Analytical Chemistry (BRK)	Physical Chemistry (SRS)	Inorganic Chemistry (RBB)	Lunch Break		Analytical Chemistry Practical (NVG-KMM)	
Tuesday	Analytical Chemistry (BRK)	Physical Chemistry (SRS)	Inorganic Chemistry (RBB)	Lunch Break		Analytical Chemistry Practical (NVG-KMM)	
Wednesday	Inorganic Chemistry (RBB)	Physical Chemistry (SRS)	Organic Chemistry (CKAM)	Lunch Break		Analytical Chemistry Practical (NVG-KMM)	
Thursday	Inorganic Chemistry (RBB)	Physical Chemistry (SRS)	Organic Chemistry (CNGS)	Lunch Break		Organic Chemistry Practical (NVG+RBB)	
Friday	Analytical Chemistry (BRK)	Organic Chemistry (NRS)	Inorganic Chemistry (RBB)	Lunch Break		Organic Chemistry Practical (NVG-RBB)	
Saturday	Analytical Chemistry (BRK)	Organic Chemistry (NRS)	Inorganic Chemistry (RBB)	Lunch Break		Organic Chemistry Practical (NVG-RBB)	

  
 Co-ordinator  
 P.G. Department of Chemistry  
 Nabira Mahavidyalaya, Katol

  
 Principal  
 Nabira Mahavidyalaya  
 Katol



## Nabira Mahavidyalaya Katol

Time Table for M.Sc. (Chemistry) SEM-III Summer(2022)

Day/ Time	9:30-10:30 A.M.	10:30-11:30 A.M	11:30-12:30 A.M.	12.30 to 1.00 PM	1:00 to 2:00 PM	2:00 to 3:00 PM
Monday	Organic Chemistry Practical (NVG+KMM)			Lunch Break	Polymer Chemistry (KMM)	SEMINAR
Tuesday	Organic Chemistry Practical (NVG+KMM)			Lunch Break	Polymer Chemistry (KMM)	SEMINAR
Wednesday	Organic Chemistry Practical (NVG+KMM)			Lunch Break	Polymer Chemistry (KMM)	Polymer Chemistry (KMM)
Thursday	Organic Chemistry (NRS)	Spectroscopy (PGG)	Organic Chemistry (NRS)	Lunch Break	Spectroscopy (PGG)	Organic Chemistry (NRS)
Friday	Organic Chemistry (AMP)	Spectroscopy (PGG)	Polymer Chemistry (KMM)	Lunch Break	Organic Chemistry (NRS)	Spectroscopy (PGG)
Saturday	Organic Chemistry (AMP)	Spectroscopy (NVJ)	Organic Chemistry (NRS)	Lunch Break	Spectroscopy (PGG)	Organic Chemistry (NRS)


  
 Co-ordinator  
 P.G. Department of Chemistry  
 Nabira Mahavidyalaya, Katol

## Nabira Mahavidyalaya Katol

### Time Table for M.Sc. (Chemistry) SEM-IV; Summer(2022)

Day/ Time	9:30-10:30 A.M.	10:30-11:30 A.M	11:30-12:30 A.M.	12.30 to 1.00 PM	1:00 to 2:00 PM	2:00 to 3:00 PM
Monday	Organic Chemistry Practical (NVG+KMM)			Lunch Break	Polymer Chemistry (KMM)	SEMINAR
Tuesday	Organic Chemistry Practical (NVG+KMM)			Lunch Break	Polymer Chemistry (KMM)	SEMINAR
Wednesday	Organic Chemistry Practical (NVG+KMM)			Lunch Break	Polymer Chemistry (KMM)	Polymer Chemistry (KMM)
Thursday	Organic Chemistry (NRS)	Spectroscopy (PGG)	Organic Chemistry (KMM)	Lunch Break	Spectroscopy (PGG)	Organic Chemistry (NRS)
Friday	Organic Chemistry (AMP)	Spectroscopy (PGG)	Polymer Chemistry (KMM)	Lunch Break	Organic Chemistry (NVG)	Spectroscopy (PGG)
Saturday	Organic Chemistry (AMP)	Spectroscopy (NVJ)	Organic Chemistry (NRS)	Lunch Break	Spectroscopy (PGG)	Organic Chemistry (NRS)

  
 Co-ordinator  
 P.G. Department of Chemistry  
 Nabira Mahavidyalaya, Katol

  
 Principal  
 Nabira Mahavidyalaya  
 Katol



Shikshan Prasark Mandal's  
Nabira Mahavidyalaya, Katol  
PG Department of Chemistry



Date-14/12/2021

It is informed to all faculty members that there is meeting on 15/12/2021 at 10:00 am to discuss the syllabus completion of Sem I & Sem- III.

All are requested to attend meeting with mention record.

Dr. N. V. Gandhare

M.Sc. Chemistry Co-ordinator  
Co-ordinator  
P.G. Department of Chemistry  
Nabira Mahavidyalaya, Katol

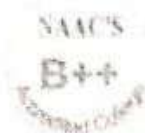
- ① Miss. R. B. Bowade
- ② Miss. K. M. Masram
- ③ - I - B. R. Kalambhe
- ④ - II - S. M. Munne
- ⑤ Mr. Hemant M. Alare



Shikshan Prasark Mandal's

Nabira Mahavidyalaya, Katol

PG Department of Chemistry



Date-05/05/2022

It is informed to all faculty members that there is meeting on 06/05/2022 at 10:00 am to discuss the syllabus completion of Sem I & Sem- III.

All are requested to attend meeting with mention record.

Dr. N. V. Gandhare

M.Sc. Chemistry Co-ordinator

Co-ordinator

PG Department of Chemistry

Katol, Dist. Solapur

- ① Miss. R.B. Bowade
- ② " K.M. Masram
- ③ " B.R. Kalumbhe
- ④ " S.M. Munne
- ⑤ Mr. Hemant M. Alone


## PG Department of Chemistry

Nabira Mahavidyalaya, Katol

Academic Year- 2021-2022

Completion of Syllabus for M.Sc. Sem-I, III, II, IV

Sr. No.	Name of Teacher	Subject	Class	% of Syllabus completed
1.	Dr. N.V. Gandhare	Inorganic Chemistry	M.Sc. Sem-I (1 Unit)	25%
2.	Miss. B.R. Kalambe	Analytical Chemistry	M.Sc. Sem-I	99%
3.	Miss. R. B. Bowade	Inorganic Chemistry	M.Sc. Sem-I (3 Unit)	75%
4.	Miss. N.R. Sembekar	Organic Chemistry	M.Sc. Sem-I	98%
5.	Miss. A. M. Puri	Physical Chemistry	M.Sc. Sem-I	95%
6.	Miss. R. B. Bowade	Practical-I -Inorganic Chemistry	M.Sc. Sem-I	50%
7.	Dr. N.V. Gandhare	Practical-I -Inorganic Chemistry	M.Sc. Sem-I	50%
8.	Miss. B.R. Kalambe	Practical-II -Physical Chemistry	M.Sc. Sem-I	50%
9.	Miss. A. M. Puri	Practical-II -Physical Chemistry	M.Sc. Sem-I	50%
10.	Dr. N.V. Gandhare	Seminar-I	M.Sc. Sem-I	100%
11.	Miss. R. B. Bowade	Inorganic Chemistry	M.Sc. Sem-II	100%
12.	Miss. N.R. Sembekar	Organic Chemistry	M.Sc. Sem-II	50%
13.	Mr. N.G. Jadhao	Organic Chemistry	M.Sc. Sem-II	25%
14.	Mr. K. A. More	Organic Chemistry	M.Sc. Sem-II	25%
15.	Miss. A. M. Puri	Physical Chemistry	M.Sc. Sem-II	75%
16.	Miss. S.M. Munne	Analytical Chemistry	M.Sc. Sem-II	50%
17.	Miss. B.R. Kalambe	Analytical Chemistry	M.Sc. Sem-II	50%
18.	Miss. R. B. Bowade	Practical -III- Organic Chemistry	M.Sc. Sem-II	50%
19.	Mr. K. A. More	Practical -III- Organic Chemistry	M.Sc. Sem-II	50%
20.	Miss. B.R. Kalambe	Practical -IV- Analytical	M.Sc. Sem-II	50%
21.	Miss. K. M. Masaram	Practical -IV- Analytical	M.Sc. Sem-II	50%
22.	Miss. R. B. Bowade	Seminar-II	M.Sc. Sem-II	100%
23.	Miss. N.R. Sembekar	Special-I: Organic Chemistry	M.Sc. Sem-III	100%
24.	Miss. A. M. Puri	Special-II: Organic Chemistry	M.Sc. Sem-III	100%
25.	Miss. K. M. Masaram	Paper XI: Elective- Polymer Chemistry	M.Sc. Sem-III	100%
26.	Miss. B.R. Kalambe	Paper XII: Core Subject Centric - I: Spectroscopy- I	M.Sc. Sem-III	75%
27.	Miss. R. B. Bowade	Paper XII: Core Subject Centric - I: Spectroscopy- I	M.Sc. Sem-III	25%
28.	Mr. K. A. More	Practical-V: Organic Chemistry Special	M.Sc. Sem-III	100%



29.	Miss. K. M. Masaram	Practical VI – Elective: Polymer Chemistry Practical	M.Sc. Sem-III	100%
30.	Dr. N.V. Gandhare	Seminar-III	M.Sc. Sem-III	100%
31.	Miss. N.R. Sembekar	Paper XIII: Special I-Organic Chemistry	M.Sc. Sem-IV	100%
32.	Mr. K. A. More	Paper XIV: Special II-Organic Chemistry	M.Sc. Sem-IV	50%
33.	Mr. N.G. Jadhao	Paper XIV: Special II-Organic Chemistry	M.Sc. Sem-IV	50%
34.	Miss. K. M. Masaram	Paper XV: Elective- Polymer Chemistry	M.Sc. Sem-IV	100%
35.	Mr. K. A. More	Paper XVI: Core Subject Centric –II Spectroscopy – II	M.Sc. Sem-IV	50%
36.	Miss. A. M. Puri	Paper XVI: Core Subject Centric –II Spectroscopy – II	M.Sc. Sem-IV	50%
37.	Dr. N.V. Gandhare	Practical-VII: Organic Chemistry Special Practical	M.Sc. Sem-IV	100%
38.	Dr. N.V. Gandhare	Practical VIII: Project	M.Sc. Sem-IV	100%
39.	Miss. N.R. Sembekar	Seminar-IV	M.Sc. Sem-IV	100%



Co-ordinator  
G. Department of Chemistry,  
Nabira Mahavidyalaya, Katol

**NABIRA MAHAVIDYALAYA, KATOL**

**Department of MATHEMATICS**

**Teaching Plan-2021-22**

**B. Sc. I: Semester-I**

**Name of the Teacher: Mr. N. T. Katre**

**Subject/ Paper: P-1: M-1: Elementary Mathematics**

<b>Month</b>	<b>Paper_Unit</b>	<b>Topics /Content</b>
<b>September 2021</b>	<b>M-1_Unit-1</b>	Complex Numbers (Half Portion)
<b>October 2021</b>	<b>M-1_Unit-1</b>	Complex Numbers (Remaining Half Portion)
<b>November 2021</b>	<b>M-1_Unit-2</b>	Matrices
<b>December 2021</b>	<b>M-1_Unit-3</b>	Theory of Equations
<b>January 2021</b>	<b>M-1_Unit-4</b>	Elementary Number Theory



**Signature**

# NABIRA MAHAVIDYALAYA, KATOL

## Department of MATHEMATICS

### Teaching Plan-2021-22

**B. Sc. I: Semester-I**

**Name of the Teacher: Mr. M. P. Pawar**

**Subject/ Paper: P-2: M-2: Differential and Integral Calculus**

Month	Paper_Unit	Topics /Content
September 2021	M-2_Unit-1	Leibnitz's theorem, MaClaurin's and Taylor's theorems, Indeterminate forms. (Half Portion)
October 2021	M-2_Unit-1	Leibnitz's theorem, MaClaurin's and Taylor's theorems, Indeterminate forms. (Remaining Half Portion)
November 2021	M-2_Unit-2	Functions of two variables, Partial derivatives, Asymptotes, Envelopes
December 2021	M-2_Unit-3	Jacobians , Taylor's series of two variables, Maxima and Minima of function of two variables, Lagrange's method of multiplier
January 2022	M-2_Unit-4	Reduction formulae, Integration of algebraic rational functions, Integration of trigonometric functions, Integration of irrational functions



**Signature**



# NABIRA MAHAVIDYALAYA, KATOL

Department of MATHEMATICS

Teaching Plan-2021-22

B. Sc. II: Semester-III

Name of the Teacher: Mr. N. T. Katre

Subject/ Paper: P-2: M-6: Modern Algebra

Month	Paper_Unit	Topics /Content
October 2021	M-6_Unit-1	Group Theory-1
November 2021	M-6_Unit-2	Group Theory-2
December 2021	M-6_Unit-3	Ring Theory
January 2021	M-6_Unit-4	Field of Quotients, Euclidean Rings



Signature

# NABIRA MAHAVIDYALAYA, KATOL

## Department of MATHEMATICS

### Teaching Plan-2021-22

**B. Sc. II: Semester-III**

**Name of the Teacher: Mr. M. P. Pawar**

**Subject/ Paper: P-1: M-5: Partial Differential Equations & Calculus of Variations**

Month	Paper_Unit	Topics /Content
October 2021	M-5_Unit-1	Ordinary differential equations in three variables.
November 2021	M-5_Unit-2	First order Partial differential equations
December 2021	M-5_Unit-3	Higher order Partial differential equations
January 2022	M-5_Unit-4	Calculus of Variations

  
Signature

# NABIRA MAHAVIDYALAYA, KATOL

Department of MATHEMATICS

Teaching Plan-2021-22

B. Sc. III: Semester-V

Name of the Teacher: Mr. N. T. Katre

Subject/ Paper: P-1: M-9: Analysis (U-1 & U-4),

P-2: M-10: Metric Space, Complex Integration & Algebra)

Month	Paper_Unit	Topics /Content
August 2021	M-10_Unit-1	Countability of sets, Metric space, Neighbourhood, Limit points, interior points, open set, closed set, closure and interior of the set.
September 2021	M-10_Unit-2 M-10_Unit-3	Completeness, Compactness, Connectedness Ring, Integral domain, Ideals, Fields, Homomorphism
October 2021	M-9_Unit-1	Fourier Series
November 2021	M-9_Unit-4	Elementary functions, Bilinear transformations, Conformal mappings, etc
December 2021	M-10_Unit-4	Complex Integration



Signature

# NABIRA MAHAVIDYALAYA, KATOL

## Department of MATHEMATICS

### Teaching Plan-2021-22

**B. Sc. III: Semester-V**

Name of the Teacher: **Mr. M. P. Pawar**

**Subject/ Paper: P-1: M-9: Analysis (U-2 & U-3),**

Month	Paper_Unit	Topics /Content
August 2021	M-9_Unit-2	R-S Integration (Half Portion)
September 2021	M-9_Unit-2	R-S Integration (Remaining Half Portion)
October 2021	M-9_Unit-3	Analytic Functions (Half Portion)
November 2021	M-9_Unit-3	Analytic Functions (Remaining Half Portion)

  
Signature

# NABIRA MAHAVIDYALAYA, KATOL

## Department of MATHEMATICS

### Teaching Plan-2021-22

**B. Sc. I: Semester-II**

Name of the Teacher: **Mr. N. T. Katre**

**Subject/ Paper: P-1: M-3: Geometry, Differential & Difference Equations**

**P-2: M-4: Vector Analysis**

Month	Paper_Unit	Topics /Content
March 2022	M-3_Unit-1	Solid Geometry
	M-3_Unit-2	First Order Differential Equations
April 2022	M-4_Unit-1	Vector Differentiation
	M-4_Unit-2	Double and Triple Integrals, Beta- Gamma Functions
May 2022	M-3_Unit-3	Second Order Linear Differential Equations
	M-4_Unit-3	Vector Integration
June 2022	M-3_Unit-4	Difference Equations
	M-4_Unit-4	Vector Theorems

  
Signature

# NABIRA MAHAVIDYALAYA, KATOL

Department of MATHEMATICS

Teaching Plan-2021-22

B. Sc. II: Semester-IV

Name of the Teacher: Mr. N. T. Katre

Subject/ Paper: P-2: M-8: Mathematical Methods

Month	Paper_Unit	Topics /Content
February 2022	M-8_Unit-1	Power Series Solutions
March 2022	M-8_Unit-1	Special Functions
April 2022	M-8_Unit-2	Laplace Transforms
May 2022	M-8_Unit-3	Fourier Series

  
Signature

**NABIRA MAHAVIDYALAYA, KATOL**

**Department of MATHEMATICS**

**Teaching Plan-2021-22**

**B. Sc. III: Semester-VI**

**Name of the Teacher: Mr. N. T. Katre**

**Subject/ Paper: P-1: M-11: Abstract Algebra (U-1),**

**P-2: M-12: Special Theory of Relativity**

<b>Month</b>	<b>Paper_Unit</b>	<b>Topics /Content</b>
<b>January 2022</b>	<b>M-11_Unit-1</b>	Group Automorphisms
<b>February 2022</b>	<b>M-12_Unit-1</b>	Foundations of the Special Theory of Relativity
<b>March 2022</b>	<b>M-12_Unit-2</b>	Relativistic Kinematics
<b>April 2022</b>	<b>M-12_Unit-3</b>	Tensors and Space-Time Structure
<b>May 2022</b>	<b>M-12_Unit-4</b>	Relativistic Mechanics



**Signature**

# NABIRA MAHAVIDYALAYA, KATOL

Department of MATHEMATICS

Teaching Plan-2021-22

B. Sc. II: Semester-IV

Name of the Teacher: Mr. M. P. Pawar

Subject/ Paper: P-1: M-7: Real Analysis

Month	Paper_Unit	Topics /Content
February 2022	M-7_Unit-1	Real Number System as Complete Ordered Field
March 2022	M-7_Unit-2	Sequences
April 2022	M-7_Unit-3	Infinite series
May 2022	M-7_Unit-4	Riemann Integration



Signature



# NABIRA MAHAVIDYALAYA, KATOL

Department of MATHEMATICS

Teaching Plan-2021-22

B. Sc. III: Semester-VI

Name of the Teacher: Mr. M. P. Pawar

Subject/ Paper: P-1: M-11: Abstract Algebra (U-2 , U-3 & U-4)

Month	Paper_Unit	Topics /Content
January 2022	M-11_Unit-2	Vector Spaces (Half Portion)
February 2022	M-11_Unit-2	Vector Spaces (Remaining Half Portion)
March 2022	M-11_Unit-3	Linear Transformations
April 2022	M-11_Unit-4	Matrix of Linear Transformations, Inner Product Spaces



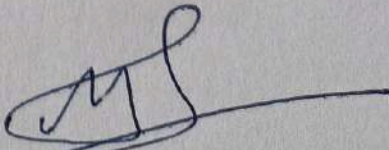
Signature

**NABIRA MAHAVIDYALAYA, KATOL**  
**Department of MATHEMATICS**  
**Teaching Plan-2021-22**

**Name of Teacher: Mr. Mohit P. Pawar**

**M. Sc. I: Semester-I: Ordinary Differential Equation**

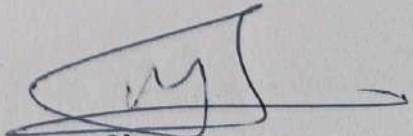
<b>Month</b>	<b>Unit</b>	<b>Content</b>
<b>October 2021</b>	1	Linear equation with variable coefficient: IVP. Homogeneous equation and solutions, The Wronskian and linear dependence, the non-homogeneous equation, Legendre equations
<b>November 2021</b>	2	Linear equation with regular singular points: The Euler equations, Second order equations with regular singular points, The Bessel Equation, Regular singular points at infinity
<b>December 2021</b>	3	Existence and uniqueness of solutions of first order equations: The method of successive approximations With Lipschitz condition and convergence, non-local existence of solutions
<b>January 2022</b>	4	Existence and uniqueness of solutions to system of first order ordinary differential equations: Central forces and planetary motion, Green's function, Sturm Liouville theory

  
**Signature**

**NABIRA MAHAVIDYALAYA, KATOL**  
**Department of MATHEMATICS**  
**Teaching Plan-2021-22**

**Name of the Teacher: Mr. Mohit P. Pawar**  
**M. Sc. II: Semester-IV: Operational Research-II**

<b>Month</b>	<b>Unit</b>	<b>Content</b>
<b>March 2022</b>	1	Integer Programming: Gomory's cutting plane algorithm (All integer and mixed algorithms), Branch and Bound method
<b>April 2022</b>	2	Revised simplex method (with or without artificial variables). Post-optimality analysis: changes in:(i) objective function, (ii) requirement vector, (iii)coefficient matrix; Addition and deletion of variables, Addition of constraints.
<b>May 2022</b>	4	Queuing theory: Basic features of queueing system, operating characteristic of queueing system, arrival and departure distributions, inter-arrival and service time distributions, steady state conditions in queueing process. Poisson queueing models-M/M/1, M/M/C for finite and infinite queue length
<b>June 2023</b>	3	Bounded variable technique for LPP Unconstrained optimization

  
**Signature**

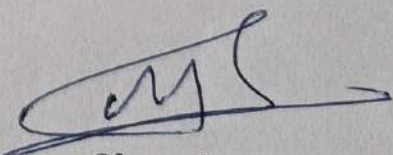
**NABIRA MAHAVIDYALAYA, KATOL**  
**Department of MATHEMATICS**

**Teaching Plan-2021-22**

**Name of Teacher: Mr. Mohit P. Pawar**

**M. Sc. I: Semester-II: Real Analysis-II**

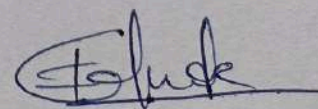
<b>Month</b>	<b>Unit</b>	<b>Content</b>
<b>March 2022</b>	1	Outer measure. Measurable sets and Lebesgue measure. A non-measurable set, Measurable functions, Littlewood' three principles
<b>April 2022</b>	2	The Riemann integral. Lebesgue integral of a bounded function over a set of finite measure. Integral of a non-negative function.
<b>May 2022</b>	3	Absolute continuity. Convex functions. $L_p$ -spaces. Holder and Minkowski-inequality. Reisz-Fisher theorem
<b>June 2023</b>	4	Compact metric space. Baier category theorem Arzela Ascoli theorem, locally compact space



**Signature**

**NABIRA MAHAVIDYALAYA, KATOL**  
**Department of MATHEMATICS**  
**Teaching Plan-2021-22**  
**Name of Teacher-P.S.Ghorpade**  
**M. Sc. II: Semester-III: Functional Analysis**

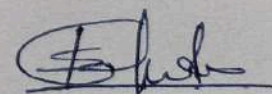
Month	Unit	Content
August 2022	1	Normed spaces, Banach spaces, Further properties of normed spaces, Finite dimensional normed spaces and subspaces, Compactness and finite dimension Bounded and continuous Operators,
September 2022	2	Linear Functional, Normed spaces of operator Dual spaces, Inner product spaces, Orthogonal complements and direct Product Total orthonormal sets and sequence.
October 2022	3	Representation of functional on Hilbert spaces, Hilbert adjoint Operators, Hahn-Banach Theorem for complex vector spaces and normed spaces, Reflexive spaces
November 2022	4	Category theorem, Uniform boundedness theorem, strong and weak convergence, convergence of sequences of operators and functionals, Open mapping theorem, Closed graph theorem.

  
signature

NABIRA MAHAVIDYALAYA, KATOL

Department of MATHEMATICS  
Teaching Plan-2021-22  
Name of Teacher-P.S.Ghorpade  
M. Sc. I: Semester-I: Topology-I

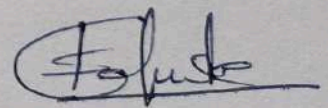
Month	Unit	Content
August 2022	1	Countable and Uncountable sets, Example and Related theorems, Cardinal nos.& related theorems, Topological space
September 2022	2	Open Sets and Limit Points, Derived Sets, Closed Sets, & Closure Operator ,bases and relative topologies.
October 2022	3	Connected sets & components Compact & countably compact spaces, Continuous functions & homeomorphisms, Arc wise connectivity.
November 2022	4	$T_0$ spaces and $T_1$ -spaces, $T_2$ -spaces, and sequences ,Axioms of countability, Separability, Regular & Normal spaces,



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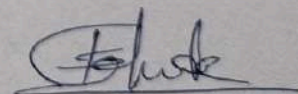
**NABIRA MAHAVIDYALAYA, KATOL**  
**Department of MATHEMATICS**  
**Teaching Plan-2021-22**  
**Name of Teacher-P.S.Ghorpade**  
**M. Sc. II: Semester-III: Complex Analysis.**

Month	Unit	Content
March 2022	1	.Imposibility of ordering complex Analysis, Extended complex plane & Stereographic projection elementary properties and examples of analytic function, power series, Analytic function
April 2022	2	Analytic function as mapping, Mobius transformation, power series Representation of Analytic function, zeros of an Analytic function, index of closed curve
May 2022	3	.Cauchys theorem, and integral formula, the homotopic version of Cauchys theorem simple connectivity the open mapping theorem Goursat theorem residues the argument principle
June 2022	4	The maximum principle Schwarz lemma, convex function, and hadams thee ciecle theorem, Phragmen- lindel of theorem

  
signature

**NABIRA MAHAVIDYALAYA, KATOL**  
**Department of MATHEMATICS**  
**Teaching Plan-2021-22**  
**Name of Teacher-P.S.Ghorpade**  
**M. Sc. I: Semester-II:Algebra-II**

Month	Unit	Content
January 2023	1	Unique factorization domains, principal ideal domain, Euclidean domains, polynomial ring over U.F.D.
February 2023	2	Irreducible polynomials and Eisenstein criterion, adjunction of roots, splitting fields Normal extension multiple roots .
March 2023	3	Finite fields, separable extension Automorphism groups and fixed fields fundamental theorem of galois theory, fundamental theorem of algebra
April 2023	4	Roots of unity and cyclotomic polynomials. Cyclic extention, polynomials solvable by radicals ruler and compass constructions.



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**NABIRA MAHAVIDYALAYA, KATOL**

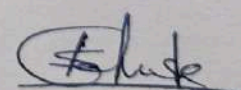
**Department of MATHEMATICS**

**Teaching Plan-2021-22**

**Name of Teacher-P.S.Ghorpade**

**M. Sc. I: Semester-II: Topology-II.**

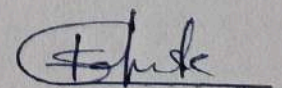
<b>Month</b>	<b>Unit</b>	<b>Content</b>
<b>March 2022</b>	1	Topological spaces, continuous function, connectedness compactness, countability. And separation axioms.
<b>April 2022</b>	2	connected spaces connected subspaces of real line components and local connectedness.
<b>May 2022</b>	3	Compact spaces, compact subspaces of real line limit point local compactness.
<b>June 2022</b>	4	Countability and separation axioms, normal spaces The Urysohn lemma, Urysohn metrization theorem, the Tietz extension theorem.



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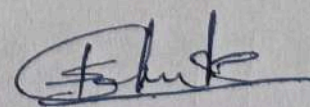
**NABIRA MAHAVIDYALAYA, KATOL**  
**Department of MATHEMATICS**  
**Teaching Plan-2021-22**  
**Name of Teacher-P.S.Ghorpade**  
**M. Sc. II: Semester-Iv: Advanced Numeric Analysis**

Month	Unit	Content
February 2022	1	Simple enclosure methods, Secant method, Newtons method, general theory for one point iteration method. Aitken extrapolation for linearly convergent sequences, mullers method, non-linear systems of equation.
March 2022	2	Polynomial interpolation theory, Newtons divided differences, finite differences and table oriented interpolation formulas, Hermite interpolation.
April 2022	3	The Weierstrass theorem and taylors theorem, the minimax approximation problem, the least square approximation problem orthogonal polynomials economisation of taylor series.
May 2022	4	The trapezoidal rule and simpson's rule Newton-Cotes integration formulas.

  
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**NABIRA MAHAVIDYALAYA, KATOL**  
**Department of MATHEMATICS**  
**Teaching Plan-2021-22**  
**Name of Teacher-P.S.Ghorpade**  
**M. Sc. I: Semester-1: Algebra-I**

Month	Unit	Content
October 2021	1	Permutation group , Dihedral group, Isomorphism theorems, Automorphisms, Conjugacy and G-Sets ,Alternating group, $A_n$ , Cyclic Decomposition, Simplicity of $A_n$
November 2021	2	Normal Series, Solvable groups, Nilpotent groups, Cyclic decomposition of Permutation group, Alternating group
December 2021	3	Direct- Product, Semi Direct product of group, finitely generated abelian group, Sylow's theorems, Group of order $2p$ and $pq$
January 2022	4	Ideals and Homomorphisms, Maximal and prime ideals, Modules, Submodules, Quotient modules, completely reducible modules, Free modules,



signature

**NABIRA MAHAVIDYALAYA, KATOL**

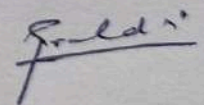
**Department of MATHEMATICS**

**Teaching Plan-2021-22**

**Name of teacher: Mr P.R.Lohi**

**M. Sc. II: Semester-III: Mathematical methods**

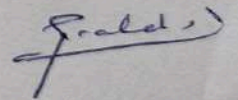
Month	Unit	Content
August 2022	1	Fourier integral theorem, Fourier transforms and its derivatives convolution integral multiple Fourier transform
September 2022	2	Integral equations of convolution type Laplace equation, Diffusion equation
October 2022	3	Finite Fourier transform, Finite Sturm - Liouville transforms
November 2022	4	Finite Hankel transform, Finite Legendre transform, Finite Mellin transform



signature

**NABIRA MAHAVIDYALAYA, KATOL**  
**Department of MATHEMATICS**  
**Teaching Plan-2021-22**  
**Name of teacher- Mr. P.R.Lohi**  
**M. Sc. II: Semester-III: General Relativity**

Month	Unit	Content
August 2022	1	Tensors Algebra, Riemannian geometry, Curvature Tensor, Einstein Tensor, the Bianchi identity.
September 2022	2	Geodesic Principle, Geodesic equations, poisons equations, Einstein field equation.
October 2022	3	Exterior Schwarzschild's solution, Schwarzschild's singularity Birkhoff's theorem & gravitational red shift.
November 2022	4	Newtonian incompressible star, Schwarzschild's interior solution



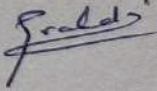
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**NABIRA MAHAVIDYALAYA, KATOL**  
**Department of MATHEMATICS**  
**Teaching Plan-2021-22**

**Name of teacher- Mr. P.R.Lohi**

**M. Sc. II: Semester-IV: Partial differential Equation.**

Month	Unit	Content
February 2022	1	Curves and surfaces, First order PDE, compatible system of first order PDE
March 2022	2	Charpitz's methods, Jacobi methods, Cauchy problems, Quasi linear equations.
April 2022	3	second order partial differential Equations, method of separation of variables & wave equation.
May 2022	4	Laplace equation, Boundary value problems, Dirichlet problems, Neumann problems.
June 2022	4 Remaining portion	Maximum minimum Principles, solution of Laplace equation in polar and spherical form.

  
Signature

**NABIRA MAHAVIDYALAYA, KATOL**

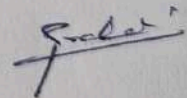
**Department of MATHEMATICS**

**Teaching Plan-2021-22**

**Name of teacher- Mr. P.R.Lohi**

**M. Sc. II: Semester-IV: Cosmology.**

<b>Month</b>	<b>Unit</b>	<b>Content</b>
<b>February 2022</b>	1	Einstein and de sitter model of universe, Density and pressure, Motion of test particle & doppler shift.
<b>March 2022</b>	2	Derivation of R-W model, motion of a particle and light rays in FRW, Red shift.
<b>April 2022</b>	3	Friedman model fundamental equation of dynamic cosmology, density and pressure of present universe.
<b>May 2022</b>	4	steady state cosmology, distance measure in cosmology & comoving distance.
<b>June 2022</b>	4 Remaining portion	Apparent luminosity and luminosity Distance Angular diameter and lookback time & galaxy count.



signature

**NABIRA MAHAVIDYALAYA, KATOL**

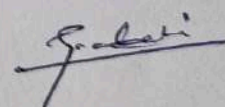
**Department of MATHEMATICS**

**Teaching Plan-2021-22**

**Name of Teacher: Mr P.R.Lohi**

**M.Sc.- I: Semester-II, Paper: -Differential Geometry.**

<b>Month</b>	<b>Unit</b>	<b>Content</b>
<b>March 2022</b>	1	Curves on surface, Helicoids, Geodesics, Families of Curves.
<b>April 2022</b>	2	Normal Properties of Geodesics, Geodesic Curvature, Gaussian Curvature & Conformal mapping.
<b>May 2022</b>	3	Lines of Curvature, Developable & Minimal Surfaces.
<b>June 2022</b>	4	Hilbert's Lemma, Mean curvature & Complete Surfaces.



signature



**NABIRA MAHAVIDYALAYA, KATOL**

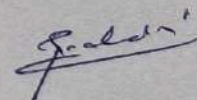
**Department of MATHEMATICS**

**Teaching Plan-2021-22**

**Name of teacher: Mr P.R.Lohi**

**M. Sc. I: Semester-I: Integral Equation.**

<b>Month</b>	<b>Unit</b>	<b>Content</b>
<b>August 2022</b>	1	Problems on integral equations, conversion of ordinary differential equations into integral equations integro-differential equations.
<b>September 2022</b>	2	Fredholm equations, Degenerate kernels, Hermitian and symmetric kernels. The Hilbert- Schmidt theorem, Green's function type kernels
<b>October 2022</b>	3	Voltera equations, resolvent kernel of voltera equations, convolution type Kernels, Fourier integral equations, Laplace integral equations.
<b>November 2022</b>	4	Hilbert transform, finite Hilbert transforms, integral transforms, Eigen values & Eigen functions.



Signature

**NABIRA MAHAVIDYALAYA, KATOL**

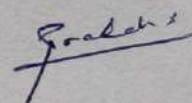
**Department of MATHEMATICS**

**Teaching Plan-2021-22**

**Name of Teacher: Mr P.R.Lohi**

**M.Sc. II: Semester-II, Paper: -Classical Mechanics.**

<b>Month</b>	<b>Unit</b>	<b>Content</b>
<b>March 2022</b>	1	Variational Principle and Lagrange Equations, Hamilton's Principle & Derivation of Lagrange's Equation.
<b>April 2022</b>	2	Legendre transformations and Hamilton equation of motion & cyclic coordinates.
<b>May 2022</b>	3	canonical Transformations, Poisson's Bracket & Canonical invariants.
<b>June 2022</b>	4	Infinitesimal canonical transformations and conservation theorem.



Signature

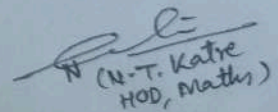
NABIRA MAHAVIDYALAYA, KATOL

DEPARTMENT OF MATHEMATICS: UG-TIME TABLE (2021-22)

w.e.f.:01/02/2022

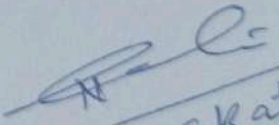
DAY	8.00-8.48	8.48-9.36	9.36 - 9.40	9.40 - 10.28	10.28 - 11.16	11.16 - 11.20	11.20 -12.08	12.08 -12.56
MON	<b>B.Sc. II (MPP)</b>	<b>B.Sc. III (NTK)</b>	B R E A K	<b>B.Sc. I (NTK)</b>	<b>B.Sc. II (NTK)</b>	B R E A K		
TUE	<b>B.Sc. II (MPP)</b>	<b>B.Sc. III (NTK)</b>		<b>B.Sc. I (NTK)</b>	<b>B.Sc. II (NTK)</b>			
WED	<b>B.Sc. II (MPP)</b>	<b>B.Sc. III (NTK)</b>		<b>B.Sc. I (NTK)</b>	<b>B.Sc. II (NTK)</b>		<b>B.Sc. I (NTK)</b>	<b>B.Sc. I(T) (NTK)</b>
THU	<b>B.Sc. II(T) (MPP)</b>	<b>B.Sc. III (MPP)</b>		<b>B.Sc. I (NTK)</b>	<b>B.Sc. II (NTK)</b>		<b>B.Sc. I (NTK)</b>	<b>B.Sc. I(T) (NTK)</b>
FRI	<b>B.Sc. III (MPP)</b>	<b>B.Sc. III (MPP)</b>		<b>B.Sc. I (NTK)</b>	<b>B.Sc. II (NTK)</b>		<b>B.Sc. III (NTK)</b>	
SAT	<b>B.Sc. III (MPP)</b>	<b>B.Sc. III(T) (MPP)</b>		<b>B.Sc. I (NTK)</b>	<b>B.Sc. II (NTK)</b>		<b>B.Sc. III(T) (NTK)</b>	

NTK : N.T. Katre (21 Lectures)  
MPP : M.P. Pawar (09 Lectures)

  
N.T. Katre  
HOD, Maths

**TIME TABLE**  
**Nabira Mahavidyalaya Katol**  
**DEPARTMENT OF MATHEMATICS**  
**M.Sc SEM- II & IV (2021-22) New**

DAY	SEM	8:00-9:00	9:00-10:00	10:00-11:00	11:15-12:15	11:15-12:15	12:15-1:15
MON	IV	PRL	PRL	MPP	<b>B R E A K</b>	PSG	PSG
	II	PSG	PSG	PRL		MPP	PRL
TUE	IV	PRL	PRL	MPP		PSG	PSG
	II	PSG	PSG	PRL		MPP	PRL
WED	IV	PRL	PRL	MPP		PSG	PSG
	II	PSG	PSG	PRL		MPP	PRL
THU	IV	PRL	PRL	PSG		MPP	PSG
	II	PSG	PSG	MPP		PRL	PRL
FRI	IV	PRL	PRL	PSG	MPP	PSG	
	II	PSG	PSG	PRL	PRL	MPP	
SAT	IV	PSG	PSG	PRL	MPP	PRL	
	II	PRL	PRL	PSG	PSG	MPP	

  
 (N.T. Katre)  
 HOD Maths

Nabira Mahavidyalaya Katol

Department of Mathematics

Time Table : 2021 - 22

M.Sc (SEM-I & SEM-III)

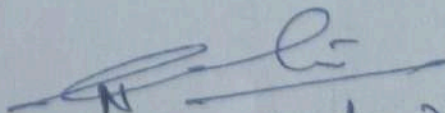
DAY/TIME	CLASS	08:00-09:00	09:00-10:00	10:00-11:00	11:00-11:30	11:30-12:30	12:30-01:30	01:30-02:30
MON	SEM-I	PSG	PSG	PRL	B R E A K	MPP		NRK
	SEM-III	PRL	PRL	PSG		NRK	NRK	
TUE	SEM-I	PSG	PSG	PRL		MPP		NRK
	SEM-III	PRL	PRL	PSG		NRK	NRK	
WED	SEM-I	PSG	PSG	PRL		MPP		NRK
	SEM-III	PRL	PRL	PSG		NRK	NRK	
THU	SEM-I	PSG	PSG	PRL		MPP		NRK
	SEM-III	PRL	PRL	PSG		NRK	NRK	
FRI	SEM-I	PSG	PSG	PRL		MPP		NRK
	SEM-III	PRL	PRL	PSG		NRK	NRK	
SAT	SEM-I	PSG	PSG	PRL		MPP		NRK
	SEM-III	PRL	PRL	PSG		NRK	NRK	

SEM-I

- 1) Algebra-I PSG
- 2) Real Analysis-I NRK
- 3) Topology -I PSG
- 4) Ordinary Diff Eqn MPP
- 5) Integral Eqn PRL

Sem-III


- 1) Complex Analysis - PSG
- 2) Functional Analysis - NRK
- 3) Mathematical Methods - PRL
- 4) General Relativity - PRL
- 5) Operational Research -I NRK

  
(N.T. Katre)  
HOD, Maths

NABIRA MAHAVIDYALAYA, KATOL

DEPARTMENT OF MATHEMATICS  
ACTION PLAN FOR THE SESSION 2021-22

Month	Activities
August	<ul style="list-style-type: none"> <li>• Distribution of subjects to be taught among the faculty members</li> <li>• Departmental meeting</li> </ul>
September	<ul style="list-style-type: none"> <li>• Bridge Course for Freshers</li> <li>• Online Unit Tests (for internal assessment)</li> </ul>
October	<ul style="list-style-type: none"> <li>• Unit Tests/ Open book exam (for internal assessment)</li> </ul>
November	<ul style="list-style-type: none"> <li>• Diwali Vacation (31 Oct. to 10 Nov. 2021)</li> <li>• Online MCQ tests based on syllabus will be conducted as a part of their internal assessment and to prepare the students for inter-collegiate Mathematics Quiz competition</li> <li>• Home assignments will be given to the students as a part of their internal assessment</li> </ul>
December	<ul style="list-style-type: none"> <li>• Submission of Home assignments by the students</li> <li>• Preparation and submission of Internal assessment marks</li> <li>• Winter-Vacation (23 Dec. 2021 to 02 Jan. 2022)</li> <li>• National Mathematics Day Celebration</li> </ul>
January	<ul style="list-style-type: none"> <li>• University Theory Examination (college level) for odd semesters</li> <li>• Departmental meeting</li> <li>• Submission of internal assessment marks to the university.</li> </ul>
February	<ul style="list-style-type: none"> <li>• Submission of internal assessment marks to the university.</li> <li>• University Theory Examination (college level) for odd semesters</li> <li>• Commencement of even semester classes.</li> </ul>
March	<ul style="list-style-type: none"> <li>• Students seminars</li> <li>• Remedial Classes for slow learners</li> <li>• Unit Tests/ Open book exam (for internal assessment)</li> <li>• Home assignments will be given to the students as a part of their internal assessment</li> </ul>
April	<ul style="list-style-type: none"> <li>• MCQ tests based on syllabus will be conducted as a part of their internal assessment and to prepare the students for inter-collegiate Mathematics Quiz competition</li> <li>• Remedial Classes for slow learners</li> <li>• Students seminars</li> <li>• Submission of Home assignments by the students</li> </ul>
May	<ul style="list-style-type: none"> <li>• Preparation and submission of Internal assessment marks</li> <li>• University Examination work</li> </ul>
June	<ul style="list-style-type: none"> <li>• Preparation and submission of Internal assessment marks</li> <li>• Summer Vacation</li> <li>• University Examination work</li> </ul>
July	<ul style="list-style-type: none"> <li>• Summer Vacation</li> <li>• University Examination work</li> </ul>

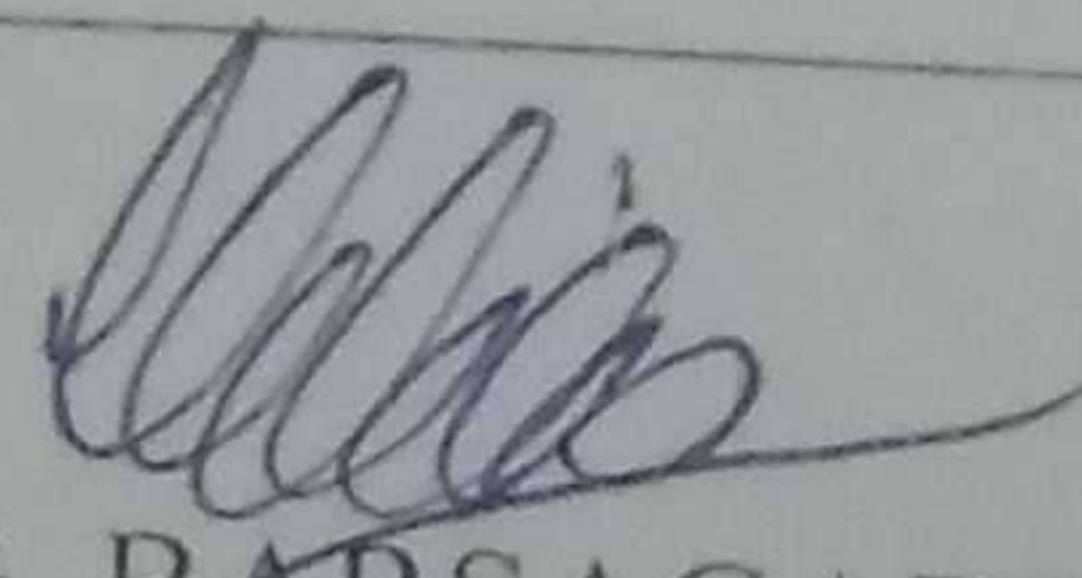
  
 Mr. N. T. KATRE  
 Asst. Prof & Head

NABIRA MAHAVIDYALAYA, KATOL

DEPARTMENT OF ZOOLOGY

ACTION PLAN FOR THE SESSION 2021-22

Month	Action Plan
July	<ul style="list-style-type: none"> <li>• To conduct Bridge Course online</li> <li>• Departmental meetings</li> <li>• Arrange Practical set-up for BSc zoology as per syllabus</li> </ul>
August	<ul style="list-style-type: none"> <li>• Departmental meeting</li> <li>• Arranging the Guest Lectures/Webinars of resource person.</li> <li>• Nature Club/ Science Corner activity</li> </ul>
September	<ul style="list-style-type: none"> <li>• Remedial Classes.</li> <li>• Test Examination</li> <li>• Scientific Models workshop</li> </ul>
October	<ul style="list-style-type: none"> <li>• Test Examination</li> <li>• Students Seminar</li> <li>• Motivating the students to participate in Seminar/ Competitions at inter College /State / National level.</li> <li>• Remedial Classes.</li> </ul>
November	<ul style="list-style-type: none"> <li>• Internal &amp; University Practical Examination</li> <li>• Awareness towards Scientist Activity</li> <li>• Students Model Preparation</li> </ul>
December	<ul style="list-style-type: none"> <li>• Departmental meeting</li> <li>• Science corner activity</li> </ul>
January	<ul style="list-style-type: none"> <li>• Arranging the Guest Lectures/Webinars of resource person.</li> <li>• Nature Club activity</li> <li>• Test Examination</li> </ul>
February	<ul style="list-style-type: none"> <li>• To arrange excursion activity.</li> <li>• Initiative for Certificate course</li> <li>• Awareness towards plastic free campus.</li> </ul>
March	<ul style="list-style-type: none"> <li>• Test Examination</li> <li>• Student seminar</li> <li>• World wildlife day celebration</li> <li>• Guest Lecture/Practical examination</li> </ul>
April	<ul style="list-style-type: none"> <li>• Test Examination</li> <li>• Remedial Classes.</li> <li>• Practical/ University Examination</li> </ul>
May	Examination work
June	World environment Day celebration Examination work

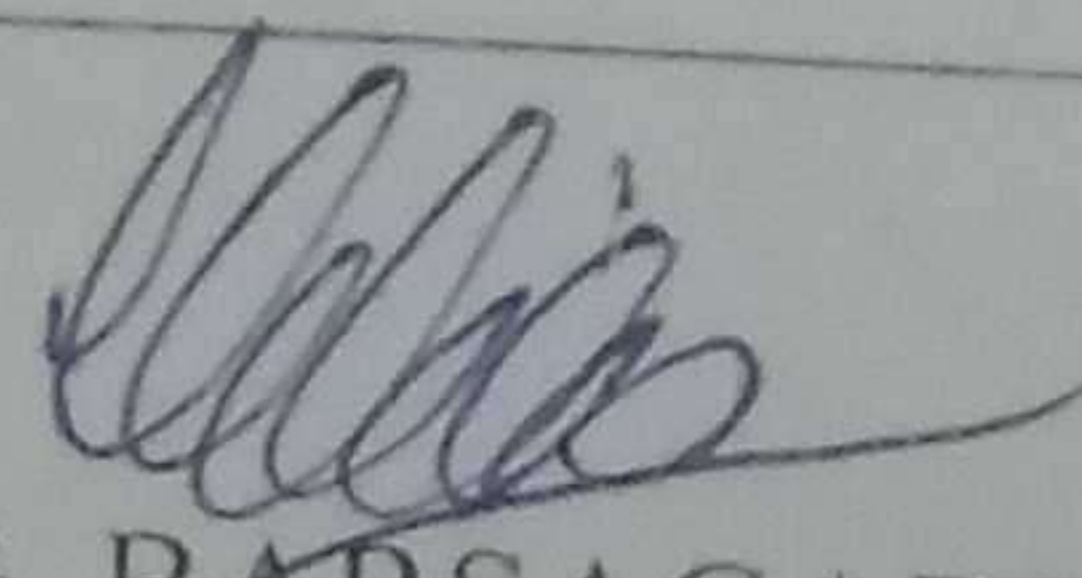
  
 Dr. V. G. BARSAGADE  
 Asst. Prof & Head,  
 Department of Zoology

NABIRA MAHAVIDYALAYA, KATOL

DEPARTMENT OF ZOOLOGY

ACTION PLAN FOR THE SESSION 2021-22

Month	Action Plan
July	<ul style="list-style-type: none"> <li>• To conduct Bridge Course online</li> <li>• Departmental meetings</li> <li>• Arrange Practical set-up for BSc zoology as per syllabus</li> </ul>
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November	<ul style="list-style-type: none"> <li>• Internal &amp; University Practical Examination</li> <li>• Awareness towards Scientist Activity</li> <li>• Students Model Preparation</li> </ul>
December	<ul style="list-style-type: none"> <li>• Departmental meeting</li> <li>• Science corner activity</li> </ul>
January	<ul style="list-style-type: none"> <li>• Arranging the Guest Lectures/Webinars of resource person.</li> <li>• Nature Club activity</li> <li>• Test Examination</li> </ul>
February	<ul style="list-style-type: none"> <li>• To arrange excursion activity.</li> <li>• Initiative for Certificate course</li> <li>• Awareness towards plastic free campus.</li> </ul>
March	<ul style="list-style-type: none"> <li>• Test Examination</li> <li>• Student seminar</li> <li>• World wildlife day celebration</li> <li>• Guest Lecture/Practical examination</li> </ul>
April	<ul style="list-style-type: none"> <li>• Test Examination</li> <li>• Remedial Classes.</li> <li>• Practical/ University Examination</li> </ul>
May	Examination work
June	World environment Day celebration Examination work

  
 Dr. V. G. BARSAGADE  
 Asst. Prof & Head,  
 Department of Zoology



# **Nabira Mahavidyalaya, Katol**

## **Department Of Zoology**

### **Departmental Meeting**

**2nd August 2021**

The Departmental Meeting was held on 02/08/2021. Following points were discussed in the meeting in the HOD's chamber.

- a. Distribution of work load.
- b. Discussion on action plan.
- c. Time table setting.
- d. Chemical Stock checking.
- e. Sorting and listing of books in departmental library.
- f. Preparation of attendance sheets.

Members of the department present during the meeting:

- i. Dr V.G. Barsagade (Head & Asst. Prof.)
- ii. Dr T. S. Khedkar (Asst. Prof.)
- iii. Mr. Arvind Wankhede (Asst. Prof. CHB)
- iv. Ms. Ankita Gajbe (Asst. Prof. CHB)
- v. Shri C.N.Dhawad (Lab Attendant)
- vi. Shri . Pramod Bawane (Lab Attendant)



Head, Zoology Dept.  
Nabira Mahavidyalaya, Katol.

## **Nabira Mahavidyalaya, Katol**

### **Department Of Zoology**

#### **Departmental Meeting**

**2nd Jan 2022**

The Departmental Meeting was held on 02/08/2021. Following points were discussed in the meeting in the HOD's chamber.

- I. Discussion on results.
- II. Assignments and Project reports were collected from students.
- III. Preparation regarding University Practical Examination was done.
- IV. Practical examination schedule and batch wise list of students were displayed on the Notice Board of Zoology Department.
- V. Chemical Stock checking.

#### **Members of the department present during the meeting:**

- I. Dr V.G. Barsagade (Head & Asst. Prof.)
- II. Dr T. S. Khedkar (Asst. Prof.)
- III. Mr. Arvind Wankhede (Asst. Prof. CHB)
- IV. Ms. Ankita Gajbe (Asst. Prof. CHB)
- V. Shri C.N.Dhawad (Lab Attendant)
- VI. Shri . Pramod Bawane (Lab Attendant)



Head, Zoology Dept.  
Nabira Mahavidyalaya, Katol



# NABIRA MAHAVIDHYALAYA KATOL

## DEPARTMENT OF ZOOLOGY

### Time table-2021-22

	1	2	3	4	5	6	7	8	9	10
<b>DAY</b>	8.00-8.48	8.48 - 9.36	9.40-10.28	10.28-11.16		11.20-12.08-12.56-1.44			1.44-2.32-3.20-4.08	
<b>MON</b>	BSc III NP	<b>B</b> BSc. I TSK	BSc I NP	BSc II NP		BSc I Pract (4 Batches) VGB, TSK			BSc I Pract (4 Batches) VGB, TSK, AG,NP	
<b>TUE</b>	BSc III VGB	<b>R</b> BSc I NP	BSc I NP	BSc II TSK		BSc I Pract VGB, TSK, AAW (3 Batches)			BSc I Pract VGB, TSK, AG,NP (4 Batches)	
<b>WED</b>	BSc III TSK	<b>E</b>	BSc I AG	BSc II VGB		BSc III Pract VGB, TSK (3 Batches)			BSc III Pract VGB, TSK, (2 Batches)	
<b>THU</b>	BSc III TSK	<b>A</b>	BSc I AG	BSc II VGB		BSc III Pract VGB, TSK AAW (3 Batches)			BSc III Pract VGB, TSK, (2 Batches)	
<b>FRI</b>	BSc III AAW	<b>K</b>	BSc I VGB	BSc II TSK		BSc II Pract VGB, TSK (4 Batches)			BSc III Pract VGB, TSK (3 Batches)	
<b>SAT</b>	BSc III AAW		BSc I VGB	BSc II AAW		BSc II Pract VGB, TSK (4 Batches)			BSc III Pract VGB, TSK,AG (3 Batches)	

Total workload--- Theory period— 18

Practicals- 108

Dr. Vikas G. Barsagade - 18+ (Extra)

Dr. Trupti. S. Khedkar - 20+ (Extra)

Mr. Arvind A. Wankhede -09

Ms. Ankita Gajbe -09



Head, Zoology Deptt.  
Nabira Mahavidyalaya, Katol

Signature HOD

**NABIRA MAHAVIDYALAYA, KATOL**

*PROFORMA OF TEACHING PLAN – 21-22*

To be submitted to the Teacher Appraisal Committee

Name of the Teacher: Dr. T.S.Khedkar

Dept: Zoology

Subject/Paper :Sem III-Pap- I and II and Sem IV-Pap-II

Class : **Bsc.II (Sem III and Sem IV)**

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<b>Month</b>	<b>Topics to be covered</b>
<b>June *</b>	Admission committee work
<b>July *</b>	<b>Theory</b> <ul style="list-style-type: none"><li>➤ Introduction to syllabus</li><li>➤ Cytoplasmic inheritance- Kappa particles in Paramecium,</li><li>➤ CO<sub>2</sub> sensitivity in Drosophila and milk factor in mice.</li><li>➤ Linkage and crossing over – Basic concepts of linkage and types of linkage</li><li>➤ Theories of linkage</li></ul> <b>Practicals</b> <ul style="list-style-type: none"><li>➤ Introduction to syllabus</li><li>➤ Identification, classification: I. Urochordata II. Cephalochordata III.Cyclostomata IV. Pisces : V. Amphibia</li></ul>
<b>August *</b>	<b>Theory</b> <ul style="list-style-type: none"><li>➤ Concepts of genes – Cistron , muton and recon</li><li>➤ Haemoglobin disorders – Thalassemia and Sickle cell anaemia</li><li>➤ Metabolic disorder: Phenylketonuria</li><li>➤ Sex determination – ZZ, XY, XO, ZW pattern</li><li>➤ Sex determination in Drosophila – Genic balance theory and Environmental sex determination in Bonellia</li></ul> <b>Practical</b> <ul style="list-style-type: none"><li>➤ Developmental Biology -Study of permanent slides of Frog embryology.</li><li>➤ Study of permanent slides</li></ul>
<b>September *</b>	<b>Theory</b> <ul style="list-style-type: none"><li>➤ Chromosomal aberrations: addition, deletion, duplication and inversion</li><li>➤ Disorders related to chromosomal number- Turner syndrome, Klinefelter syndrome and Down syndrome.</li><li>➤ Gene mutations- Spontaneous and induced mutations.</li><li>➤ Extracellular genome – Presence and functions of mitochondrial DNA, plasmid</li></ul> <b>Practical</b> <ul style="list-style-type: none"><li>➤ Permanent stained preparation</li><li>➤ Genetic experiments: Study of monohybrid and dihybrid ratio.</li></ul>
<b>October *</b>	<b>Theory</b> <ul style="list-style-type: none"><li>➤ Mutations</li><li>➤ Mutagenic agents</li></ul> <b>Paper I (Unit –IV) Fertilization, Cleavage, Blastulation and Gastrulation.</b> <b>Practical</b> <ul style="list-style-type: none"><li>➤ Study of normal human karyotype ( Normal male and female)</li><li>➤ Study of characters and karyotypes of Syndrome</li><li>➤ Study of the genetic traits</li><li>➤ Study of charts showing dissection of the locally available culturable fish</li></ul>

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## Sem IV (2022)

### January \* Theory

- Introduction to syllabus
- Innate and acquired immunity
- Organs of the immune system
- Antibody mediated immune response
- Cell- mediated immune response

#### Practical

- Introduction to syllabus.
- Identification, classification: i. Reptilia ,ii. Birds : iii. Mammals
- Developmental Biology –Study of slides of chick embryology
- Study of permanent slides.
  
- Antigen - Structure, diversity, functions and types of antigen
- Antibody- Structure, types and functions
- Antigen-antibody interaction – Precipitation and agglutination

#### Practical

- Study of skeleton of Rabbit and Fowl
- **Immunology Exp. :**
- 1. Determination of (ABO and Rh) blood groups in humans
- 2. Antigen – Antibody interaction by double diffusion method (Ouchterlony)

### March \* Theory

- Complement system: Basic concepts of complement system, classical pathway
- Alternative and MBL pathways
- Complement system in immune defense

#### Practical

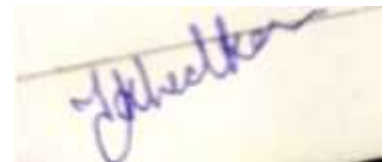
- **Molecular Biology Exp:**
- 1. Staining of DNA and RNA ( methyl green pyronin)
- 2. Introduction to basic laboratory instruments
- 3. Isolation of DNA from any available source

### April \* Theory

- Cytokines and cytokine related diseases
- Class test

#### Practical

- 3. Study of histological slides of organs of immune system – Thymus, Lymph nodes and Spleen.



**NABIRA MAHAVIDYALAYA, KATOL**

**PROFORMA OF TEACHING PLAN – 21-22**

To be submitted to the Teacher Appraisal Committee

Name of the Teacher: Dr. V. G. Barsagade

Dept: Zoology

Subject/Paper :Sem III-Pap- I and Sem IV-Pap-I

Class : **Bsc.II (Sem III and Sem IV)**

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<b>Month</b>	<b>Topics to be covered</b>
<b>June *</b>	<b>Protochordata</b> : General characters and classification up to order
<b>July *</b>	<b>Theory</b> <ul style="list-style-type: none"><li>➤ <b>Herdmania</b> : Structure, digestive system, ascidian tadpole and metamorphosis</li><li>➤ <b>1Amphioxus</b> : Structure, digestive system, circulatory system, sense organs</li><li>➤ <b>Agnatha</b> : General characters of Cyclostomata (<i>Petromyzon</i> and <i>Myxine</i>)</li></ul> <b>Practical</b> <ul style="list-style-type: none"><li>➤ Introduction to syllabus</li><li>➤ Identification, classification: I. Urochordata II. Cephalochordata III. Cyclostomata IV. Pisces : V. Amphibia</li></ul>
<b>August *</b>	<b>Theory</b> <ul style="list-style-type: none"><li>➤ <b>Pisces</b> : Salient features of Chondrichthyes and Osteichthyes, Origin of paired Migration and Accessory respiratory organs in fishes</li><li>➤ <b>2 Amphibia</b> : General characters and classification up to order</li><li>➤ Parental care and Neotony in Amphibia</li></ul> <b>Practical</b> <ul style="list-style-type: none"><li>➤ Developmental Biology -Study of permanent slides of Frog embryology.</li><li>➤ Study of permanent slides</li></ul>
<b>September *</b>	<b>Theory</b> <ul style="list-style-type: none"><li>➤ Gametogenesis and type of eggs</li><li>➤ Fertilization of egg</li><li>➤ Post fertilization development of fish</li><li>➤ Types of scales of fishes, Development of placoid scales</li></ul> <b>Practical</b> <ul style="list-style-type: none"><li>➤ Permanent stained preparation</li><li>➤ Genetic experiments: Study of monohybrid and dihybrid ratio.</li></ul>
<b>October *</b>	<b>Theory</b> <ul style="list-style-type: none"><li>➤ Frog Embryology - Cleavage , blastulation and gastrulation</li><li>➤ Fate map, Morphogenetic movements in gastrula of frog</li><li>➤ Development of respiratory organs in frog</li><li>➤ Development of Aortic arches of frog</li></ul> <b>Practical</b> <ul style="list-style-type: none"><li>➤ Study of normal human karyotype ( Normal male and female)</li><li>➤ Study of characters and karyotypes of Syndrome</li><li>➤ Study of the genetic traits</li><li>➤ Study of charts showing dissection of the locally available culturable fish</li></ul>

\*

## Sem IV (2022)

### January \* Theory

- **Reptilia**- Classification based on temporal vacuities
- Poison apparatus, biting mechanism , snake venom and its importance
- **Aves** – Comparison of Ratitae and Caranitae, Flight adaptations and migration
- **Mammals** – General characters of Prototheria, Metatheria and Eutheria

### Practical

- Introduction to syllabus.
- Identification, classification: i. Reptilia ,ii. Birds : iii. Mammals
- Developmental Biology –Study of slides of chick embryology
- Study of permanent slides.

### February \* Theory

- Modern theories of evolution : Darwinism and Neo-Darwinism
- Adaptations – Cursorial, Aquatic, Terrestrial, Fossorial and Volant
- Introduction to genetic basis of evolution – Species Deme, Variation
- Races in Man (Caucasoid, Negroid, Mongoloid and Australoid)

### Practical

- Study of skeleton of Rabbit and Fowl
- Immunology Exp. :
  - 1. Determination of (ABO and Rh) blood groups in humans
  - 2. Antigen – Antibody interaction by double diffusion method (Ouchterlony)

### March \* Theory

- Comparative account of aortic arches and heart in Reptiles, Birds and Mammals
- Structure of hen's egg
- Development of chick up to primitive streak stage
- Development of extra embryonic membranes in chick and functions

### Practical

- Molecular Biology Exp:
  - 1. Staining of DNA and RNA ( methyl green pyronin)
  - 2. Introduction to basic laboratory instruments
  - 3. Isolation of DNA from any available source

### April \* Theory

- Blastocyst and implantation in Mammals; Types of placenta on the basis of morphological and histological structure; functions of placenta
- Stem cells : Sources, types and their use in human welfare
- Biological clock : Diurnal and rhythmic behavior in birds and mammals
- Role of pheromones in reproductive behavior Class test

### Practical

- 3. Study of histological slides of organs of immune system – Thymus, Lymph nodes and Spleen.





**NABIRA MAHAVIDYALAYA, KATOL**

*PROFORMA OF TEACHING PLAN – 2021-22*

To be submitted to the Teacher Appraisal Committee

Name of the Teacher: Dr. T.S.Khedkar

Dept: Zoology

Subject/Paper :Sem V-Pap-I and Sem VI-Pap-I

Class : **Bsc.III (Sem V and Sem VI)**

**Sem V**

<b>Month</b>	<b>Topics to be covered</b>
<b>June *</b>	Admission committee work
<b>July *</b>	<b>Theory</b> <ul style="list-style-type: none"><li>➤ Introduction to syllabus</li><li>➤ Structure and functions of digestive glands.</li></ul> <b>Practicals</b> <ul style="list-style-type: none"><li>➤ Introduction to syllabus</li><li>➤ Detection of action of salivary amylase on starch</li><li>➤ Detection of carbohydrates, proteins and Lipids</li><li>➤ Detection of Vitamin A and Vitamin C</li></ul>
<b>August</b>	<b>*Theory</b> <ul style="list-style-type: none"><li>➤ Gastrointestinal hormones</li><li>➤ Digestion and absorption of proteins, carbohydrates and fats.</li><li>➤ Respiratory pigments - Types , distribution and Properties</li><li>➤ Mechanism of Respiration</li><li>➤ Transport of O<sub>2</sub> and CO<sub>2</sub></li></ul> <b>Practical</b> <ul style="list-style-type: none"><li>➤ Preparation Haemin crystal</li><li>➤ Total count of WBC and RBC</li><li>➤ Study of histological slides of Mammal</li><li>➤ Mounting</li></ul>
<b>September</b>	<b>* Theory</b> <b>Practical</b> <ul style="list-style-type: none"><li>➤ Collection and identification of fishes</li><li>➤ Freshwater edible fishes and Aquarium fishes</li><li>➤ Study of charts of Dissection:</li><li>➤ Digestive, reproductive and brain with pituitary of culturable fishes</li><li>➤ Gonosomatic index</li></ul>
<b>October</b>	<b>* Theory</b> <ul style="list-style-type: none"><li>➤ Respiratory disorders and effects of smoking</li><li>➤ Class test</li><li>➤ Seminars</li></ul> <b>Practical</b> <ul style="list-style-type: none"><li>➤ Study of Insect Pest</li><li>➤ Mounting : Mouth parts, Legs, wings of any insects and sting of Honeybee</li><li>➤ Visit to educational centre,</li></ul>

## Sem IV

**December**

**\* Theory**

- Introduction to syllabus
- Types of neurons, E.M. structure of neuron
- Conduction of nerve impulse
- Ultrastructure of striated muscle, Sliding filament theory of muscle contraction

**Practical**

- Introduction to syllabus.
- Detection of urea, albumin, sugar and creatin in urine
- Study of histological slides of Mammal – T.S. kidney, pituitary, thyroid, adrenal,

**January**

**\* Theory**

- Properties of muscles (Twitch, Tetanus, Tonus, Summation, All or None Principle, Muscle fatigue)
- Structure and functions of pituitary gland
- Structure and functions of thyroid and parathyroid gland
- Structure and functions of adrenal gland

**Practical**

- Sperm count in a given semen sample
- Separation of amino acids by paper chromatography
- Separation of proteins by electrophoresis technique(Demonstration)
- Block preparation and section cutting

**February**

**\* Theory**

- Structure and functions of pineal gland
- Structure of uriniferous tubule
- Seminars on assigned topics

**Practical**

- Block preparation and section cutting
- Double staining method (H-E)
- Demonstration of carbohydrates, proteins and lipids by histochemical methods
- Determination of mean, mode, median from a given bio statistical data and graphical representation of the data using computers

**March**

**\* Theory**

- Mechanism of urine formation
- Normal and abnormal constituents of urine
- PPT presentations

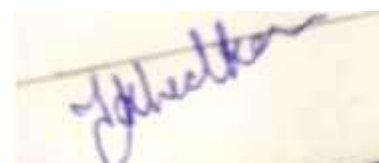
**Practical**

- Study of Dissection charts showing Endocrine glands of Culturable fishes
- Use of internet for survey of literature using protein and nucleotide databases(NCBI)
- Use of software's like Microsoft offices
- RTMU practical exam.

**April**

**\* Theory**

- Counter – current mechanism
- Elementary idea of dialysis
- Test



**NABIRA MAHAVIDYALAYA, KATOL**

*PROFORMA OF TEACHING PLAN – 2021-22*

To be submitted to the Teacher Appraisal Committee

Name of the Teacher: Dr. V. G. Barsagade

Dept: Zoology

Subject/Paper :Sem V-Pap-I and Sem VI-Pap-I

Class : **Bsc.III (Sem V and Sem VI)**

**Sem V**

<b>Month</b>	<b>Topics to be covered</b>
<b>June *</b>	Introduction to syllabus
<b>July *</b>	<b>➤ Aquaculture</b> <b>Theory</b> ➤ Site selection and construction ,Pre stocking and post stocking management of nursery, rearing and stocking ponds ➤ Breeding of fishes by bund and Chinese hatcheries. Induced breeding by hypophysetion. New generation drugs in induced breeding. ➤ Fish products and byproducts, Fish preservation <b>Practicals</b> ➤ Introduction to syllabus ➤ Detection of action of salivary amylase on starch ➤ Detection of carbohydrates, proteins and Lipids ➤ Detection of Vitamin A and Vitamin C
<b>August</b>	<b>*Theory</b> ➤ Prawn culture and Pearl culture ➤ Fabrication and setting up of aquarium and its maintenance ➤ Breeding of aquarium fishes – Live bearers and egg layers Diseases caused by fungi, bacteria, protozoa and helminthes <b>Practical</b> ➤ Preparation Haemin crystal ➤ Total count of WBC and RBC ➤ Study of histological slides of Mammal ➤ Mounting
<b>September</b>	<b>* Theory</b> ➤ <b>Economic Entomology</b> ➤ Chemical control and biological control methods ➤ Crop pest and animal pest <b>Practical</b> ➤ Collection and identification of fishes ➤ Freshwater edible fishes and Aquarium fishes ➤ Study of charts of Dissection: ➤ Digestive, reproductive and brain with pituitary of culturable fishes ➤ Gonosomatic index
<b>October</b>	<b>* Theory</b> ➤ <b>Economic Entomology (Industrial entomology) (9 Periods)</b> ➤ Sericulture- Types of Silkworm. Life cycle and rearing of mulberry silkworm ➤ Apiculture – Types of honey bees. Life cycle, culture, movable frame hive, bee product and its economic importance ➤ Lac culture – Lac insect, <i>Laccifer lacca</i> - Life cycle, Lac processing, Lac products and Economic Importance ➤ Class test, Seminars

## Practical

- Study of Insect Pest
- Mounting : Mouth parts, Legs, wings of any insects and sting of Honeybee
- Visit to educational centre,

## Sem IV

December

### \* Theory

- Introduction to syllabus
- **Biotechniques**
- **Concepts of sterilization, Separation of biomolecules, Electrophoresis:**

### Practical

- Introduction to syllabus.
- Detection of urea, albumin, sugar and creatin in urine
- Study of histological slides of Mammal – T.S. kidney, pituitary, thyroid, adrenal,

January

### \* Theory

- **Microtechnique (9 Periods)**
- Fixation, dehydration, clearing, embedding & section cutting
- Double staining with Haematoxylin and Eosin
- Histochemical staining techniques for carbohydrates proteins and lipids (Sudan black-B)

### Practical

- Sperm count in a given semen sample
- Separation of amino acids by paper chromatography
- Separation of proteins by electrophoresis technique(Demonstration)
- Block preparation and section cutting

February

### \* Theory

- **Biotechnology**
- Basic concepts in recombinant DNA technology, Gene isolation
- Isolation of gene- DNA manipulation enzymes: Nucleases, ligases, polymerases
- Basic concepts of cloning vectors and Application of biotechnology: Insulin and vaccine production

Practical

- Block preparation and section cutting
- Double staining method (H-E)
- Demonstration of carbohydrates, proteins and lipids by histochemical methods
- Determination of mean, mode, median from a given bio statistical data and graphical representation of the data using computers

March

### \* Theory

- **Bioinformatics and Biostatistics**
- Bioinformatics: Definition, Basic concepts in bioinformatics,
- importance and role of bioinformatics in life sciences
- Bioinformatics databases- introduction, types of databases
- PPT presentations

### Practical

- Study of Dissection charts showing Endocrine glands of Culturable fishes
- Use of internet for survey of literature using protein and nucleotide databases(NCBI)
- Use of software's like Microsoft offices
- RTMU practical exam.

April

### \* Theory

- Nucleotide sequence databases, Elementary idea of protein databases
- Biostatistics – Tabulation of data, presentation of data, sampling errors, mean, mode, median, probability, standard error and standard deviation
- Test



Head, Zoology Deptt.  
Nabina Mahapatra, Cuttack, Keiser

**NABIRA MAHAVIDYALAYA, KATOL**

*PROFORMA OF TEACHING PLAN – 2021-22*

To be submitted to the Teacher Appraisal Committee

Name of the Teacher: Dr. T.S.Khedkar

Dept :Zoology

Subject/Paper : II

Class : Bsc.I (Sem I and Sem II)-----

**Month**

**Topics to be covered**

**July \* Theory**

- Introduction to syllabus
- Atmosphere: Definition, types of spheres atmosphere around earth
- Major zones of atmosphere. Importance of different zones
- Composition of air
- Hydrosphere: Definition, Global distribution, Water cycle
- Physical properties of water. Chemical Properties of water

**Practicals**

- Study of Protozoans, study of phylum Porifera, and Coelenterata, Platyhelminthes

**August \***

- Lithosphere: Definition, Types of rocks,
- Formation of soil weathering of soil forming rocks,
- Chemical weathering and Biological weathering, mineralization , humification
- Renewable: Alternate energy resources.
- Non- renewable energy sources coal, oil, natural gas etc.

**Practical**

- Study of phylum Aschelminthes and Annelida
- Study of permanent slides

**September\* Theory**

- Ecosystem: Introduction, Structure of ecosystem,
- Types of Ecosystem: Natural and Artificial
- Terrestrial and aquatic, Pond ecosystem(detail)
- Food chains: Grazing, Predator, Detritus .Food Web

**Practical**

- Mounting
- Environmental Biology exp.
- Estimation of dissolved oxygen of water
- Estimation of free CO<sub>2</sub>of water
- Estimation of pH of water sample
- Estimation of total hardness of water

**October \***

- Ecological Pyramids
- Energy Flow Models :Single Channel, Universal And Y Shaped
- Class Test ; Unit I And Unit II

**Practical**

- Study of pond ecosystem
- Study of plankton
- Study of charts of dissections

**November \***

Diwali Vacation

## Sem II

### December \* Theory

- Introduction to syllabus.
- Ultrastructure of prokaryotic and eukaryotic cell.
- Plasma membrane: Structure- Fluid Mosaic Model and functions.

### Practical

- **Study of museum specimens** : Arthropoda, Mollusca, Echinodermata & Hemichordata

### January \* Theory

- Lysosome: Structure, polymorphism and functions.
- Ultrastructure of mitochondria
- Glycolysis and Krebs's cycle.

### Practical

- Study of permanent slides
- Mounting

### February \* Theory

- Endoplasmic reticulum: Types, ultrastructure and functions
- Golgi complex: Ultrastructure and functions.
- Class test
- Assignment questions.

### Practical Cell Biology

- Study of pictures of ultra structure of prokaryotic cell & eukaryotic cell
- Study of osmosis in human RBCs ( hypotonic, hypertonic and isotonic medium)
- Demonstration of mitotic cell division in onion root tips by squash method
- Demonstration of meiosis in Grasshopper testis by squash method
- Demonstration of salivary gland chromosome in Chironomous larva

### March \* Theory

- Electron Transport Chain
- Terminal oxidation

### Practical

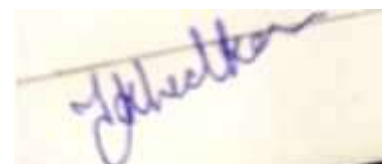
- Demonstration of mitochondria in buccal epithelium/ lip mucosa by Janus Green-B method
- Use of ocular micrometer and measurement of micro objects
- Demonstration of Barr body in blood smear

### April \* Theory

- Assignment assessment.
- Test Unit I and Unit II

### Practical

- Study of charts of dissection -Digestive system of Cockroach
- Reproductive system of Cockroach
- Nervous system of Pila



**NABIRA MAHAVIDYALAYA, KATOL**

**PROFORMA OF TEACHING PLAN – 2021-22**

To be submitted to the Teacher Appraisal Committee

Name of the Teacher: Dr. V.G. BARSAGADE

Dept :Zoology

Subject/Paper : I

Class : Bsc.I (Sem I and Sem II)-----

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<b>Month</b>	<b>Topics to be covered</b>
<b>June *</b>	Admission committee work
<b>July * Theory</b>	<b>SEM I</b> <ul style="list-style-type: none"><li>➤ Introduction to syllabus</li><li>➤ <b>Protozoa</b> : General characters and classification up to classes</li><li>➤ <b>Paramoecium</b> : Structure and reproduction</li><li>➤ <b>Plasmodium</b> : Structure</li><li>➤ <b>Practicals</b><ul style="list-style-type: none"><li>• Study of Protozoans, study of phylum Porifera, and Coelenterata, Platyhelminthes</li></ul></li></ul>
<b>August *</b>	<ul style="list-style-type: none"><li>➤ <b>Plasmodium</b> : life cycle</li><li>➤ <b>Parasitic Protozoans of Man</b> : <i>Entamoeba, Trypanosoma</i></li><li>➤ <i>Giardia and Leishmania</i></li><li>➤ Mode of infection and its control</li></ul> <b>Practical</b> <ul style="list-style-type: none"><li>• Study of phylum Aschelminthes and Annelida</li><li>• Study of permanent slides</li></ul>
<b>September* Theory</b>	<ul style="list-style-type: none"><li>➤ <b>Porifera</b> : General characters and classification up to classes</li><li>➤ <b>Sycon</b> : Structure, reproduction and development</li><li>➤ Canal system in sponges</li><li>➤ <b>Coelenterata</b> : General characters and classification up to classes</li></ul> <b>Practical</b> <ul style="list-style-type: none"><li>• Mounting</li><li>• Environmental Biology exp.</li><li>• Estimation of dissolved oxygen of water</li><li>• Estimation of free CO<sub>2</sub> of water</li><li>• Estimation of pH of water sample</li><li>• Estimation of total hardness of water</li></ul>
<b>October *</b>	<ul style="list-style-type: none"><li>➤ <b>Obelia</b> : Structure and life cycle, corals and coral reef formation</li><li>➤ <b>Helminthes</b> : General characters and classification up to classes</li><li>➤ <b>Ascaris</b> : External morphology, reproductive system and life cycle</li></ul> <b>Practical</b> <ul style="list-style-type: none"><li>• Study of pond ecosystem</li><li>• Study of plankton</li><li>• Study of charts of dissections</li></ul>
➤ <b>November *</b>	<ul style="list-style-type: none"><li>➤ <b>Taenia solium</b> : Structure and life cycle</li><li>➤ <b>Elementary idea of parasitic adaptations in helminthes</b></li></ul>



## Sem II

- December** \* **Theory**
- Paper valuation
  - Introduction to syllabus.
- January** \* **Theory**
- **Arthropoda** : General characters and classification up to classes
  - **Cockroach** : Mouth parts, digestive system and reproductive system
  - **Insects as Vectors** : Mosquito, Housefly, Sandfly, Tse-Tse fly
- Practical**
- **Study of museum specimens** :
  - Arthropoda, Mollusca Echinodermata & Hemichordata
  - Study of permanent slides
- February** \* **Theory**
- **Study of crustacean larvae**, Social behavior in honey bees.
  - **Mollusca** : General characters and classification up to classes
  - **Pila** : Morphology, digestive, respiratory and reproductive system
  - **Pearl formation in Mollusca, Molluscan larvae**
- **Practical Mounting**
- **Practical Cell Biology**
- Study of pictures of ultra structure of prokaryotic cell & eukaryotic cell
  - Study of osmosis in human RBCs ( hypotonic, hypertonic and isotonic medium)
  - Demonstration of mitotic cell division in onion root tips by squash method
  - Demonstration of meiosis in Grasshopper testis by squash method
  - Demonstration of salivary gland chromosome in Chironomous larva
- March** \* **Theory**
- **Echinodermata** : General characters and classification up to classes
  - **Asterias** : External features and digestive system
  - Water vascular system and locomotion in Starfish
- Practical**
- Demonstration of mitochondria in buccal epithelium/ lip mucosa by Janus Green-B method
  - Use of ocular micrometer and measurement of micro objects
  - Demonstration of Barr body in blood smear
- April** \* **Theory**
- **Echinoderm larvae** : Bipinnaria and Auricularia
  - **4 Hemichordata**
  - Assignment assessment.
  - Test Unit I and Unit II
- Practical**
- Study of charts of dissection -Digestive system of Cockroach
  - Reproductive system of Cockroach
  - Nervous system of Pila



Head, Zoology Deptt.  
Nabina Mahapatra, Kestel

# Academic Calendar

Department of Botany


## Session 2020-2021

### Curricular / Co-Curricular / Extra Curricular Activities

Sr. No.	Activities	Tentative Dates
1	Commencement of Classes and Practicals for Sem-V & Sem-III	2 <sup>nd</sup> of August, 2021.
2	Commencement of Classes and Practicals for Sem-I	17 <sup>th</sup> of August, 2021.
3	Class Tests for Sem-V and Sem-III	Last week of August, 2021.
4	Guest Lecture for Sem-V	First week of September, 2021.
5	Guest Lecture for Sem-III	Third week of September, 2021.
6	Guest Lecture for Sem-I	Last week of September, 2021.
7	Class Tests for Sem-V, Sem-III & Sem-I	Last week of September, 2021.
8	Assignments distribution to Sem-V, Sem-III & Sem-I	First week of October, 2021.
9	Workshop on Medicinal Plant Farming	Second week of October, 2021.
10	Class Tests for Sem-V, Sem-III & Sem-I	Last week of October, 2021.
11	Assignments submission by Sem-V, Sem-III & Sem-I students	Last week of October, 2021.
12	Diwali Vacation	31 <sup>st</sup> Oct. to 10 <sup>th</sup> Nov., 2021.
13	Unit tests for Sem-V, Sem-III & Sem-I	2 <sup>nd</sup> week of November, 2020.
14	Preparation leaves	First week of December, 2020.

<b>15</b>	Clearance of students for hall ticket	One week before exam.
<b>16</b>	Winter back exams starts	15 <sup>th</sup> of November, 2021.
<b>17</b>	Winter regular exam starts	1 <sup>st</sup> of December, 2021.
<b>18</b>	Winter Vacation	23 <sup>rd</sup> of Dec. 2021 to 1 <sup>st</sup> of Jan. 2022
<b>19</b>	Commencement of Classes and Practicals for Sem-VI, Sem-IV & Sem-II	10 <sup>th</sup> of January, 2022.
<b>20</b>	Commencement of Certificate Course on Plant Tissue Culture	01 <sup>st</sup> of February, 2022.
<b>21</b>	Guest Lecture for Sem-VI	First week of February, 2022.
<b>22</b>	Guest Lecture for Sem-IV	Second week of February, 2022.
<b>23</b>	Guest Lecture for Sem-II	Third week of February, 2022.
<b>24</b>	Class Tests for Sem-VI, Sem-IV & Sem-II	Last week of February, 2022.
<b>25</b>	Assignments distribution to Sem-VI, Sem-IV & Sem-II	First week of March, 2022.
<b>26</b>	Workshop on Entrepreneurship in Medicinal Plant Farming & Product Processing.	First week of March, 2022.
<b>27</b>	Class Tests for Sem-VI, Sem-IV & Sem-II	Last week of March, 2022.
<b>28</b>	Assignments submission by Sem-VI, Sem-IV & Sem-II students.	Last week of April, 2022.
<b>29</b>	Unit tests for Sem-V, Sem-III & Sem-I	Third week of April, 2022.
<b>30</b>	Preparation leaves	Last week of April & First week of May, 2022.
<b>31</b>	Clearance of students for hall ticket	One week before exam.

<b>32</b>	Summer back exams starts	25 <sup>th</sup> April, 2022.
<b>33</b>	Summer regular exam starts	09 <sup>th</sup> of May, 2022.
<b>34</b>	Summer Vacations	09 <sup>th</sup> of May to 22 <sup>nd</sup> of June 2022.

  
Dr. B. B. Kalbande  
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## **Nabira Mahavidyalaya, Katol**

### **Department of Botany**

#### **Action Plan**

#### **Session 2021-2022**

**Following plans are supposed for the department of Botany in the mentioned session,**

1. Complete preparations regarding NAAC Peer Team Visit scheduled in April 2022.
2. Upgradation of Medicinal Garden & Botanical Garden.
3. Participation in National & International Conferences.
4. Paper and poster presentation in National & International Conferences.
5. May organise online guest lecture for the students, probably in each month.
6. To organise online competition for students related to social and health aspects.
7. To upgrade the laboratory for job-oriented course “Plant Tissue Culture Certificate Course” which we have started in 2019.
8. To organise Botanical Excursion if possible.
9. To establish MOUs with NGOs, National and private labs.
10. To conduct various activities with Aura Park by means of signed MOU.
11. Make application to start Masters course in Botany i.e., M.Sc. Botany, specialization in Plant Biotechnology.



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# Teaching Plan

## Department of Botany

### Session 2021-2022 (Sem I, III & V)

**Dr. Bipinchandra B. Kalbande (Asst. Prof. & Head)**

**Department of Botany**

#### **B.Sc. Semester-I:**

#### **Paper-I: VIRUSES, PROKARYOTES, ALGAE & BIOFERTILIZERS.**

August: (Blended Teaching & Learning)

**Unit I - Viruses:** Nature of viruses (Non-living and living characteristics), Ultra-structure of TMV, Structure and multiplication of T-4 bacteriophage, Economic importance of viruses. Mycoplasma: Properties, Structure and Reproduction. Bacteria: General characteristics, Ultrastructure of bacterial cell, Reproduction (Binary Fission and Conjugation), Economic importance of bacteria (with reference to their role in Agriculture and industry).

**Practical -** Study of Viruses from models/photographs (TMV and T4 bacteriophage). Gram staining of Bacteria, ultra-structure of Bacteriophage from TEM photographs.

**Assessment by online quiz, assignments & Unit Test.**

September: (Blended Teaching & Learning)

**Unit II- Cyanobacteria:** -General account, Economic Importance, Ultra cell structure, Reproduction. (Nostoc). Cyanobacteria: Cell ultrastructure, Structure of heterocyst, Structure and Reproduction in Nostoc, Economic importance of Cyanobacteria. Algae: General characteristics, Classification (Fritsch,1954), Economic importance of Algae.

**Practicals -** Study of Cyanobacteria: Nostoc. Study of Algal genera: *Oedogonium*, *Chara*.

**Assessment by online quiz, assignments & Unit Test.**

October: (Blended Teaching & Learning)

**Unit III-** Life cycles in Algae: *Chara*, *Vaucheria*, *Ectocarpus* and *Batrachospermum*.

**Practicals -** Gram staining of Bacteria, Study of Cyanobacteria: Nostoc. Study of Algal genera: *Oedogonium*, *Chara*. *Ectocarpus* and *Batrachospermum*.

**Assessment by online quiz, assignments & Unit Test.**

November: (Blended Teaching & Learning)

**Unit IV-** Biofertilizers: Definition, scope and importance. Various microbes used as Biofertilizers. Commercial production of Biofertilizers: Rhizobium, Azotobacter, PSB (Phosphate Solubilizing Bacteria, e.g. *Bacillus polymyxa*) and Azolla.

**Practicals-** Study of Algal genera: *Batrachospermum*. Identification and characterization of *Rhizobium*, *Azotobacter*, *PSB* and *Azolla*.

**Assessment by online quiz, assignments & Unit Test.**

December: (Blended Teaching & Learning)

**Assessment by online quiz, assignments & Unit Test.**

**Dr. Bipinchandra B. Kalbande (Asst. Prof. & Head)**

**B.Sc. Semester-III:**

**Paper-II: ANGIOSPERM ANATOMY AND HORTICULTURE**

August: (Blended Teaching & Learning)

**Unit I - Anatomy:** Tissue: Definition, Characteristics of Meristematic tissue; Classification of meristems (based on origin and position). Simple Permanent Tissue and their functions: Parenchyma, Collenchyma, and Sclerenchyma. Complex Permanent Tissue and their functions: Xylem and Phloem. Apical meristem of root and shoot: Apical cell theory, Histogen theory, Tunica-Corpus theory, Newman's theory. Cambium: Structure, Types and functions.

**Practical -** 1. Study of simple and complex tissue from permanent micro-preparation. 2. Study of different types of vascular bundles. 3. Study of internal structure of dicot and monocot roots with the help of temporary micro-preparation.

**Assessment by online quiz, assignments & Unit Test.**

September: (Blended Teaching & Learning)

**Unit II - Primary and Secondary Growth in stem and root:** 1. Types of vascular bundles: Radial, Conjoint, Concentric. 2. Normal Primary structure of root: Dicot (Sunflower) and Monocot (Maize). 3. Normal Primary structure of stem: Dicot (Sunflower) and Monocot (Maize). 4. Normal secondary growth in dicot stem: Sunflower. 5. Anomalous Secondary growth in: Dicot stem (Bignonia) and Monocot stem (Dracaena).

**Practicals -** 4. Anatomy of dicot and monocot stem with the help of temporary or double stained permanent micro-preparation. 5. Anatomy of normal and anomalous secondary growth in stem with the help of double stained permanent micro-preparation.

**Assessment by online quiz, assignments & Unit Test.**

October: (Blended Teaching & Learning)

**Unit III-** Periderm, growth rings, Sap-heartwood, leaf anatomy: Growth rings: Spring wood and winter wood. Sap wood, Heart wood, Tyloses. Periderm: Composition, functions and Structures associated with periderm (Lenticel, Bark, Commercial cork). Anatomy of leaf: Dicot (Nerium) and Monocot (Maize). Senescence and Abscission.

**Practicals -** 6. Study of internal structure of dicot (Nerium) and monocot leaf (Maize) with the help of temporary micro-preparation.

**Assessment by online quiz, assignments & Unit Test.**

November: (Blended Teaching & Learning)

**Unit IV-** Skill Development: Horticulture: Horticulture: Definition and scope; importance of horticulture, water requirement and irrigation, nutrient management. Methods of propagation of following horticultural crops (propagation by seeds, vegetative propagation, propagation through specialized organs):

**Practicals-** 7. Study of various horticultural crops mentioned in syllabus.

**Assessment by online quiz, assignments & Unit Test.**

December: (Blended Teaching & Learning)

**Assessment by online quiz, assignments & Unit Test.**



**Dr. Bipinchandra B. Kalbande (Asst. Prof. & Head)**

**B.Sc. Semester-V:**

**Paper-II: PLANT ECOLOGY - I**

August: (Blended Teaching & Learning)

**Unit I** - Ecology: definition, branches and significance of ecology Climatic Factors: Atmospheric (Gaseous composition), Light & Temperature (effect on vegetation).

**Practicals** – **i.** To determine frequency, density, abundance of the community by quadrat method. **ii.** To determine the homogeneity of vegetation by Raunkier's frequency diagram.

**Assessment by online quiz, assignments & Unit Test.**

September: (Blended Teaching & Learning)

**Unit I** - Ecology: definition, branches and significance of ecology Climatic Factors: Edaphic Factor: Pedogenesis, Soil profile, Soil properties (physical and chemical)

**Unit II** - Ultrastructure Physiographic factor- Biotic Factor: Interactions between plants and animals and human, Interaction between plants growing in a community, Interactions between plants and soil microorganisms. Biogeochemical Cycles: Nitrogen, phosphorous.

**Practicals** – **iii.** To determine the water holding capacity of the given soil samples. **iv.** To determine the water rising capacity of the given soil samples.

**Assessment by online quiz, assignments & Unit Test.**

October: (Blended Teaching & Learning)

**Unit III** - Ecosystem: Biotic and Abiotic components, Food chain, Food web, Ecological pyramids, Autecology (definition, importance), ecad, ecotype- characteristics and importance, Synecology (or community ecology)- Study of community: analytical (quantitative- frequency, density, abundance; qualitative- Life forms, Raunkier's Biological spectrum) and synthetic characters (presence, fidelity, dominance)

**Practicals** – **v.** To determine the soil moisture of the given samples.

**Assessment by online quiz, assignments & Unit Test.**

November: (Blended Teaching & Learning)

**Unit IV** - Principles of Phytogeography, Distribution (wides, endemics, discontinuous species), Theories (Land bridge and continental drift). Climatic regions of India, Phytogeography regions of India (Chatterjee 1962; Name, distribution area, typical vegetation).

**Practicals** - Botanical Excursions (One short tour is compulsory).

**Assessment by online quiz, assignments & Unit Test.**

December: (Blended Teaching & Learning)

**Assessment by online quiz, assignments & Unit Test.**

**Teaching Plan**  
**Department of Botany**  
**Session 2019-2020 (Sem II, IV & VI)**

**Dr. Bipinchandra B. Kalbande (Asst. Prof. & Head)**

**B.Sc. Semester-II:**

**Paper-II: MORPHOLOGY OF ANGIOSPERMS AND FLORICULTURE**

January:

**Unit I** - Vegetative Morphology: Root: Tap root and adventitious root, modification of root for storage and respiration. Stem: Shape, surface, and nature. Branching (Monopodial and Sympodial), Modification of stem (Runner, Rhizome, Tuber, Bulb). Leaf: Typical leaf, Types (Simple and Compound), Types of phyllotaxy, Venation, Modification of leaf (Tendrils, Phyllodes).

**Practical** - 1. Study of different root modifications. 2. Study of nature of branching and modification of stem

**Assessment by online quiz, assignments & Unit Test.**

February:

**Unit II** - Reproductive Morphology: Inflorescence: Definition, Racemose, Cymose and Special types. Flower: Definition, Structure of Typical flower, Variation in thalamus (Androphore, Gynophore and Gynandrophore). Calyx and Corolla: Cohesion, Forms of corolla and aestivation. Androecium: Parts, Cohesion, Adhesion and Fixation.

**Practicals** - 3. Study of leaf: Types (Simple & Compound), Phyllotaxy, Venation and Modifications. 4. Inflorescence: Types mentioned in theory.

**Assessment by online quiz, assignments & Unit Test.**

March:

**Unit III** - Carpel and Fruit: Gynoecium: Parts, Cohesion, Adhesion and Placentation. Fruit: Definition, Pericarp, Types of fruits: Simple (Dehiscent, Schizocarpic, Dry Indehiscent, Fleshy Indehiscent); Aggregate (Etaerio) fruits.

**Practicals** - 5. Flower: Parts, calyx, corolla, androecium, gynoecium, variation in thalamus. 6. Fruits: Study of different types of fruits

**Assessment by online quiz, assignments & Unit Test.**

April:

**Unit-III** - Composite Fruits (Sorosis and Syconus).

**Unit IV** - Skill Development: Floriculture: Floriculture: Definition, commercial aspects. Methods of cultivation of: Important cut flowers such as Carnation, Asters, Gerbera, Dahlia, Marigold with reference to soil type, sowing pattern, weather condition, irrigation regime, fertilizers and harvesting.

**Practicals** – 7. Identification and commercial aspect of cut flowers mentioned in theory.

**Assessment by online quiz, assignments & Unit Test.**

May: (Blended Teaching & Learning)

**Unit IV** - Diseases and control measures.

**Assessment by online quiz, assignments & Unit Test.**

**Dr. Bipinchandra B. Kalbande (Asst. Prof. & Head)**

**B.Sc. Semester-IV:**

**Paper-II: GENETICS, MOLECULAR BIOLOGY AND PLANT NURSERY**

January:

**Unit I** - Genetics: (Mendelism, Linkage and crossing over). Mendelism: Basic terminology, Law of segregation and law of independent assortment. Interaction of genes: Allelic: Incomplete dominance (1:2:1); Non-allelic: Complementary factors (9:7) and Dominant epistasis (12:3:1). Linkage: Definition, Theory of linkage: Coupling and Repulsion, Types: Complete and Incomplete linkage. Crossing over: Definition, Breakage and reunion theory, significance of crossing over.

**Practicals** - 1. To prove Mendel's law of segregation with the help of colored beads. 2. To prove Mendel's law of independent assortment with the help of colored beads.

February:

**Unit II** - Genetics: (Mutation). Mutation: Definition, Types: Spontaneous and induced mutation, Physical and Chemical mutagens, applications of induced mutations. Chromosomal aberrations: Deficiency, Duplications, Inversion and Translocation. Variation in chromosome number: Aneuploidy (Nullisomic, Monosomic, Trisomics and Tetrasomics), Euploidy (Autopolyploidy, Allopolyploidy); Significance. DNA Damage and Repair: Photoreactivation and Excision Repair.

**Practicals** - 3. To work out the type of gene interaction mentioned in theory from given data.

**Assessment by online quiz, assignments & Unit Test.**

March:

**Unit IV** - Molecular biology. DNA: Structure of DNA (Watson and Crick's model), Replication of DNA: Semiconservative method of DNA replication. RNA: Types, Clover leaf model of t-RNA. Concept of gene: Classical: Cistron, Muton and Recon. Genetic code: Definition and characteristics. Protein synthesis: Transcription and Translation.

**Practicals** - 4. To study different methods of vegetative propagation (Air layering, cutting, budding and grafting)

**Assessment by online quiz, assignments & Unit Test.**

April:

**Unit IV**- Skill Development: Plant nursery: Nursery: Definition and Role or objective; nursery infrastructure. Planning and seasonal activities: Preparation of nursery beds, Planting: direct seeding and transplant, Air layering, Budding, Grafting, cutting, rooting medium, hardening of plant. Nursery management: Routine Garden operations, soil sterilization, seed sowing, pricking, planting and transplanting, shading, stopping or pinching, defoliation, wintering, mulching and topiary.

**Practicals**- 5. To study the method of soil sterilization for plant nursery.

**Assessment by online quiz, assignments & Unit Test.**

May: (Blended Teaching & Learning)

**Unit IV**- Gene expression in prokaryotes: Transcription and translation, Regulation of gene expression (Lac operon model).

**Assessment by online quiz, assignments & Unit Test.**

**Dr. Bipinchandra B. Kalbande (Asst. Prof. & Head)**

**B.Sc. Semester-VI:**

**Paper-I: PLANT PHYSIOLOGY-II & BIOTECHNOLOGY**

January:

**Unit I** -Eubacteria. Growth: Concept, growth curve, phases of growth. Phytochromes: Pr and Pfr forms, their role. Circadian rhythms and biological clock.

**Practicals** – i. To determine seed viability by a convenient method. ii. Principle and working of: oven, autoclave, laminar air flow hood

February:

**Unit I** - Plant growth regulators: Role of auxin, cytokinins, gibberellins, ABA and ethylene. Plant movements: Tropic and nastic movements.

**Unit II**- Photoperiodism: physiology of flowering, photoperiodism and vernalization, role of florigen. Senescence and abscission. Seed dormancy: Causes and role, methods to break seed dormancy. Plant defense: Definition: Hypersensitive response and Systemic acquired resistance; Role of secondary metabolites (Terpenes and phenolic compounds).

**Practicals** – iii. To study the structure of following vectors on the basis of photographs and diagrams: plasmid vector, Binary vector

**Assessment by online quiz, assignments & Unit Test.**

March:

**Unit III**- Plant tissue culture: definitions of- totipotency, explant, aseptic culture, in vitro, micropropagation; methods of sterilization (autoclaving, dry heat, chemicals), culture media (MS media) hormone requirement & applications of tissue culture.

**Practicals** – iv. To study the effect of various plant growth regulators on the growth and development of plants. v. To study steps of genetic engineering from photograph example Bt cotton and golden rice.

**Assessment by online quiz, assignments & Unit Test.**

April:

**Unit III**- Callus and organ culture (shoot tip, anther) and its application, cybrid production and its application.


**Unit IV**- Genetic engineering: Tools- Enzymes (Restriction enzymes, ligases, DNA polymerases), Plasmid as cloning vectors. DNA library: cDNA and genomic library.

**Assessment by online quiz, assignments & Unit Test.**

May: (Blended Teaching & Learning)

**Unit IV**- *Agrobacterium tumefaciens* mediated gene transfer, structure of Ti-plasmids. Advantages and disadvantages of transgenic plants, example Bt cotton and Golden rice.

**Assessment by online quiz, assignments & Unit Test.**

  
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**NABIRA MAHAVIDYALAYA, KATOL**  
**TEACHING PLAN FOR THE ACADEMIC SESSION 2021-22**

**Dr. Reena S. Meshram**

Assistant Professor

Department of Botany

Teaching Mode: Classroom / Online

**SEMESTER I**

**Paper II:**

**Fungi, Plant-Pathology, Lichen, Bryophyta and Mushroom Cultivation**

**August 2021**

**Unit-I: Fungi:**

1. **Fungi:** General characteristics, Classification (Alexopolos, 1996), Economic importance.
2. Life history of *Albugo*, *Mucor*, *Puccinia* and *Cercospora*.

**Test on Fungi through Google Forms or Class written test.**

**Practicals:**

1. Study of Fungal genera: *Albugo*, *Mucor*, *Puccinia*, *Cercospora*
2. Study of Lichen: Thallus structure, Types of lichens

**September 2021**

**Unit-II: Plant Pathology and Lichens:**

1. **Plant-Pathology:** Host, Pathogen, Symptoms, Causes and control of diseases:  
Leaf curl of Papaya, Citrus canker and red rot of Sugarcane
1. **Lichens:** Introduction, Types, Reproduction and Economic importance.

**Test on plant pathology and Lichens through Google Forms and Class written test.**

**Practicals:**

3. Plant pathology: Leaf curl of Papaya, Red rot of Sugarcane, Citrus canker
4. Study of Bryophytes: *Marchantia*, *Anthoceros*, *Funaria*

### **Unit-III: Bryophyta:**

1. **Bryophyta:** General Characteristics, Classification (Proskauer, 1957), Economic
2. importance.
3. Life history of *Marchantia*, *Anthoceros* and *Funaria*.

**Test on Bryophyta through Google Forms and Class written test.**

#### **Practicals:**

1. To study different instruments/tools used in mushroom cultivation.
2. To study method of preparation of spawn.
3. To study preparation of mushroom beds.

**October 2021**

### **Unit-IV: Skill Development: Mushroom Cultivation:**

1. **Introduction:** Nutritional and medicinal value of edible mushroom; Poisonous mushroom. Edible mushroom: *Volvariella volvacea*, *Plerotus citrinopileatus*, *Agaricus bisporus*.
2. **Technology of Mushroom cultivation: Infrastructure:** Mushroom unit (Thatched house); **Tools:** Polythene bags, vessels, inoculation hook, inoculation loop, low-cost stove, sieves, culture rack, water sprayer, tray, medium.
3. **Techniques:** Substrate, preparation of medium and spawn, sterilization, multiplication, bed preparation (Paddy-straw, sugarcane trash, banana leaves)

**Test on Bryophyta, *Riccia*, *Anthoceros* and *Funaria* through Google Forms and Class written test.**

## SEMESTER III:

### Paper I: Angiosperm Systematics, Embryology and Indoor Gardening

August 2021

#### Unit-I: Systemic botany:

1. **Origin of Angiosperms:** (Benettitalean theory)
2. **Fossil angiosperms:** Flower (*Sahanianthus*); Fruit (*Enigmocarpon*)
3. **Angiosperm Taxonomy:** Floras, Herbarium, Keys (Intended and Bracketed)
4. **Botanical Nomenclature:** Principles (Rank and taxon, Principle of priority)
5. **Modern trends in taxonomy:** Cytotaxonomy (Karyotype), Phytochemistry (Proteins and Flavenoids)

**Test on all topics of Unit I though Google Forms and Class written test.**

#### Practicals:

1. Study of fossil Angiosperms from specimens/slides.
2. Study of dicot and monocot families mentioned in theory syllabus.

September 2021

#### Unit-II: Angiosperm: Classification and Families:

1. **Systems of Classification:** Benthem and Hooker; Engler and Prantl (along with merits – demerits)
2. **Study of families: Dicot:** *Malvaceae, Brassicaceae, Papilionaceae, Asteraceae, Asclepiadaceae*; **Monocot:** *Poaceae*.

**Test on all topics of Unit II through Google Forms and Class written test.**

#### Practicals:

1. To calculate percent germination of pollen grains in the given material.
2. Study of structure of anther and pollen grain.

### **Unit-III: Embryology:**

1. **Pollination:** Types and Significance.
2. **Anther:** T. S. Anther, Microsporogenesis; Structure of pollen grain, Development of male gametophyte.
3. **Ovule:** Types of ovule, Structure of anatropous ovule, Megasporogenesis, Development of female gametophyte (*Polygonum* type)
4. **Fertilization:** Double fertilization and triple fusion, Endosperm and its types, Structure of Dicot embryo (*Onagrad*) and Monocot embryo.

**Class written Test on all topics of Unit III.**

#### **Practicals:**

5. Study of different types of ovule.
6. Study of dicot and monocot embryos from permanent micro-preparation.

**October 2021**

### **Unit-IV: Skill Development: Landscaping and Indoor gardening**

1. **Landscaping:** Definition, scope of landscaping (Landscaping at offices, industrial premises, educational institutes and parks)
2. **Indoor gardening:** Brief account of places of house plants, pots and containers; Factors required for growing house plants (Temperature, light, humidity, ventilation, watering, soil, feeding, potting)
3. **Popular house plants: Foliage Plants:** *Coleus blumei*, *Begonia* sp.,
4. **Ferns:** *Adiantum* sp., *Nephrolepis* sp., **Palms:** *Chrysalidocarpus lutescens*- Areca palm, *Howea forsteriana*- Kentia palm, **Flowering plant:** *Anthurium* sp., *Begonia* sp., **Orchids:** *Vanda* sp., *Dendrobium* sp.

**Class test on all topics of Sem IV.**

#### **Practicals:**

7. Study of different popular house plants.



## SEMESTER V

### Paper I: Biochemistry & Plant Physiology-I

#### August

##### Unit I

Carbohydrates: Definition, properties and role; Classification : Aldoses and ketoses; monosaccharides, disaccharides and polysaccharides; Structure of Glucose and starch

**Class test on Carbohydrates through Google forms and class written test.**

##### Practicals:

To study the effect of various chemicals on permeability of membranes.

To study the ascent of sap in suitable plant material.

#### September

##### Unit I

**Lipids:** Definition, properties and role; fatty acids, oils and waxes, beta oxidation.

**Amino acids-** Chemistry of amino acids present in proteins (Classification), peptide bond.

**Basics of Enzymology:** Nomenclature, Characteristics and properties of Enzymes, factors affecting enzyme activity, Holoenzyme, Apoenzyme, Co-enzymes & Co-factors, Regulation of Enzyme Activity (Enzyme-Substrate Complex Theory), Mechanism of Action (Lock & Key Model, Induced Fit Model).

**Class test on Lipids, Amino acids and Basics of enzymology through Google forms and class written test.**

#### October

## **Unit II**

Plant-water relations: Properties of water, diffusion, diffusion pressure deficit and its significance; Osmosis: Concept, types, osmotic potential and its significance; Imbibition: concept and significance

Water conduction through xylem: Root pressure theory, cohesion-adhesion theory; transpiration; stomatal opening mechanism with reference to K<sup>+</sup>-malate hypothesis

Phloem transport: Munch hypothesis.

**Class test on Plant-water relations and Water conduction through xylem through Google forms and class written test.**

### **Practicals:**

To separate chlorophyll pigment by paper chromatography.

To determine the RQ of given plant material.

To perform microchemical tests for determination of reducing and non-reducing sugars, starch, cellulose, oils and proteins.

To study the effect of light intensity and quality, CO<sub>2</sub> concentration and temperature on rate of photosynthesis by suitable method.

## **November**

### **Unit III**

Mineral nutrition: Role and deficiency symptoms of macro- and micro- nutrients (N, P, Fe, Mn, B, Ca); Solute transport: passive (Donnan's equilibrium), active (carrier concept)

Lipid metabolism:

Respiration: Types (aerobic and anaerobic respiration), respiratory substrates and Respiration quotient, glycolysis, Krebs' cycle, oxidative phosphorylation (ETS); fermentation (alcohol and lactic acid), photorespiration. Glyoxylate cycle.

**Class test on Mineral nutrition and Lipid metabolism through Google forms and class written test.**

#### **Unit IV**

Photosynthesis: concept, definition, significance, photosynthetic pigments and their role, action spectra, Emerson's enhancement effect, red drop mechanism; photolysis of water (Hill's reaction), cyclic and non-cyclic photophosphorylation, Light independent reactions: C<sub>3</sub>, C<sub>4</sub> and CAM pathways and their significance; factors affecting photosynthesis

Nitrogen metabolism: Mechanism of biological nitrogen fixation, importance of nitrate reductase.

**Class test on Photosynthesis and Nitrogen metabolism through Google forms and class written test.**

#### **Practicals:**

To determine osmotic potential of the cell sap by plasmolytic method.

To study the activity of enzyme amylase, catalase and peroxidase.

Minor Physiology experiments

## SEMESTER II

### Paper I: PALAEOBOTANY, PTERIDOPHYTES, GYMNOSPERMS AND SOIL ANALYSIS

January 2022

#### Unit-I: Palaeobotany:

1. **Palaeobotany:** Definition; fossil and Pseudo-fossil, Importance of fossils.
2. **Types of fossils:** Compression, Impression, Cast-Mold, Petrification and Amber.
3. **Geological time scale:** Definition, Outline and brief account of Eras.
4. **Fossil leaf:** *Glossopteris*, **Fructification:** *Scutum*.

**Class test on all topics of unit I.**

#### Practicals:

Fossils: Types (Compression, Impression, Cast-Mold, Petrification); *Glossopteris*, *Rhynia*, *Cycadeoidea*.

February 2022

#### Unit-II: Pteridophytes:

1. **Pteridophyta:** General characteristics, Classification (Smith, 1952).
2. **Fossil Pteridophyte:** *Rhynia*
3. **Life history of:** *Selaginaella* and *Equisetum*.
4. **Heterospory and seed habit.**
5. **Brief account of types of steles**

**Class test on all topics of Unit II through Google forms and class written test.**

#### Practicals:

3. Study of Gymnosperms: *Cycas* and *Pinus*
4. Types of soil

**March 2022**

**Unit-III: Gymnosperms:**

1. **Gymnosperms:** General characteristics, Classification (Steward, 1982), Economic Importance
2. **Fossil Gymnosperms:** *Cycadeoidea* flower
3. **Life cycle of:** *Cycas* and *Pinus*.

**Class test on all topics of Unit III.**

**Practicals:**

5. To study Physical properties of soil samples
6. To study Chemical properties of soil samples

**April 2022**

**Unit-IV: Skill Development: Soil analysis:**

1. **Soil:** Types of soil, method of collection of soil samples.
2. **Physical properties of soil:** Soil texture, soil colour, Water Holding Capacity (WHC),
3. Water Rising Capacity (WRC), Bulk Density (BD) and Porosity (P).
4. **Chemical properties of soil:** pH, Carbonates as  $\text{CaCO}_3$ , Available Nitrogen, Available Phosphorous, Available Potassium.
5. **Class test on all topics of Unit IV.**

## SEMESTER IV

### Paper I: Cell Biology, Plant Breeding, Evolution and Seed Technology

January 2022

#### Unit I: Cell organization

1. Cell: Brief account of Cell theory, Comparison between Prokaryotic and Eukaryotic cell organization, Structure of typical plant cell.
2. Structure and functions of: Cell wall, Plasma membrane (Fluid Mosaic model), Endoplasmic reticulum, Golgi complex, Ribosomes and Vacuole.

**Class test on various topics of Unit-I.**

#### Practicals:

1. Study of cell organelles with the help of photographs or slides.
2. Study of mitosis in suitable plant material.
3. Study of meiosis in suitable plant material.
4. To calculate mean, median, mode and standard error of the given data.

February 2022

#### Unit II: Cell Biology.

1. Structure and functions of: Chloroplast, Mitochondria and Nucleus
2. Chromosome morphology: Chromatid, chromomeres, centromere, telomere, secondary constriction, satellite.
3. Molecular organization of chromosome: Nucleosome model.
4. Sex Chromosomes: Definition, Structure of sex chromosomes (X and Y) in Melandrium plant.
5. Cell division: Mitosis and Meiosis (Mechanism and significance).

**Class test on different topics.**

#### Practicals:

1. To study the methods of breaking seed dormancy.
2. To study the seed viability and percentage seed germination by paper slot method or tetrazolium salt.

**March 2022**

### **Unit III: Plant Breeding and Evolution.**

3. Plant Breeding: Definition and objectives
4. Methods of Plant breeding: Definition; Procedure or technique of Pure line selection, Clonal selection, Hybridization, Heterosis (Definition and Scope)
5. Biostatistics: Mean, Median, Mode, Standard deviation and Standard error
6. Evolution: Neo-Darwinism and Miller's theory.

**Class test on Unit III.**

**April 2022**

### **Unit IV: Skill Development: Seed Technology.**

1. Seed: Structure and types
2. Seed dormancy: Causes of seed dormancy, methods to break seed dormancy
3. Seed technology: Seed storage, seed banks, factors affecting seed viability, genetic erosion, methods of seed production, seed testing and certification.
4. Commercial types of seeds: Farmers seed, foundation seeds, breeders seed and certified seed.

**Class test on Unit IV.**

## **SEMESTER VI**

### **PAPER – II**

### **PLANT ECOLOGY, TECHNIQUES & UTILIZATION OF PLANTS**

**January 2022**

#### **Unit I**

Plant succession: Definition, Causes of succession, Hydrosere, Xerosere

Plant adaptations: Morphological, Anatomical & Physiological responses of Hydrophytes, Xerophytes, Halophytes (with one example).

**Class test on Unit I through Google forms and class written test.**

#### **Practicals:**

To study the morphological and anatomical characteristics of anyone hydrophyte and xerophyte.

To study the morphological characteristics of cladode, phylloclade, phyllode and pneumatophores.

Principle and working of: spectrophotometer, microscope etc.

**February 2022**

#### **Unit II**

Environmental Pollution: Agricultural, noise and thermal pollution, Control of environmental pollution, Environmental management

Natural resources- types (renewable and non-renewable), factors for depletion; conservation of forest and water resources.

**Class test on Unit II through Google forms and class written test.**



**Practicals:**

To determine the DO of water samples different sources.

To study the dust holding capacity of leaves.

To estimate transparency, pH and temperature of different water bodies.

**March 2022****Unit III**

Principle, types and application of: microscopy (Light, fluorescent, SEM, TEM), centrifugation, electrophoresis (SDS-PAGE and Agarose), spectroscopy (UV-Vis), chromatography (Paper chromatography, Thin layer chromatography).

**Class test on Unit III through Google forms and class written test.**

**Practicals:**

To estimate salinity (chlorides) of different water samples.

To determine the percent leaf-area injury of different leaf samples collected around polluted sites.

Utilization of Plants: Morphology, Utilization and Important chemical constituents of plants mentioned in theory. To study the plants of ethnobotanical importance.

**April 2022****Unit IV**

Utilization of Plants: Morphology, Utilization and Important chemical constituents of :-

Food: Wheat; Oil: Ground nut; Fibre: Cotton; Spices: Clove; Beverages: Coffee; Medicinal: Neem; and Rubber.

Ethnobotany: Introduction, definition, branches & importance of ethnobotany.

**Class test on Unit IV through Google forms and class written test.**

**Practicals:**

Microchemical Tests: Lipid, Proteins, starch, Lignin, Carbohydrates, Cellulose.  
Electrophoretic /chromate graphic separation of amino acids carbohydrates.

**NABIRA MAHAVIDYALAYA, KATOL**  
**Department of Electronics**  
**Academic Calendar 2021-22**  
**B.Sc. (Electronics)**

Lab Maintenance: July 2021

First Term (Odd Semester) Sem-I, III, V		02/08/2021 to 30/11/2021	
Teaching Classes-----	As per Time Table		
Unit Test & Group Discussion-	Last week of Each Month		
Students Seminar-----	In between 01/11/2021 to 30/11/2021		
Student Development Course	In between 01/11/2021 to 30/11/2021		
Guest Talk-----	In between 01/09/2021 to 30/11/2021		
Diwali Vacation	31/10/2021	to	10/11/2021
Remedial Classes	In between 01/11/2021 to 30/12/2021		
Winter Exam	Failure Students (Even)		15/11/2021
	Regular Students (Odd)		13/12/2021
Winter Vacation	25/12/2020 to 15/01/2021		

Second Term (Even Semester) Sem-II,IV, VII		10/01/2022 to 07/05/2022	
Teaching Classes-----	As per Time Table		
Unit Test & Group Discussion-	Last week of Each Month		
Collage Competition	In between 11/01/2022 to 24/01/2022		
Webinar/Guest Talk-----	In between 26/01/2022 to 25/02/2022		
Industry Tour	In February		
Remedial Classes	In between 22/03/2022 to 21/05/2022		
Summer Exam	Failure Students (Odd)		25/04/2022
	Regular Students (Even)		09/05/2022
Summer Vacation	09/05/2022-22/06/2022		



Dr. Sachin Bahade  
Head, Dept. of Electronics

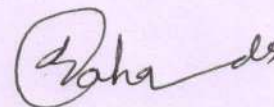
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**NABIRA MAHAVIDYALAYA, KATOL**

**NABIRA MAHAVIDYALAYA, KATOL**  
**Department of Electronics**  
**Academic Calendar 2021-22**  
**B.Sc. (Electronics)**

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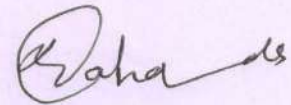
Dr. Sachin Bahade  
Head, Dept. of Electronics

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**DEPARTMENT OF ELECTRONICS  
NABIRA MAHAVIDYALAYA, KATOL**

**ACTION PLAN FOR SESSION 2021-22**

- 1) Setting and redesigning some experiments of Sem. I, II, III, IV, V & VI of B.Sc. as per syllabus.
- 2) Use of audio visual aids for effective teaching.
- 3) Arranging the student's Seminar /Competitions /Group Discussions/ Remedial Couching in the class.
- 4) Motivating the students to participate in Seminar/ Competitions at inter College /State / National level.
- 5) Arranging the Guest Lectures/Webinars of resource person.
- 6) Arranging the workshop based on Syllabus.
- 7) Arranging Students Development Programs.
- 8) Arranging Short Term courses.



Mr. Sachin T. Bahade  
Head, Department of Electronics  
Nabira Mahavidyalaya, Katol

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**NABIRA MAHAVIDYALAYA, KATOL**

NABIRA MAHAVIDYALAYA, KATOL

DEPARTMENT OF ELECTRONICS,

ANNUAL REPORT: 2021-2022

The department of ELECTRONICS has carried out various activities as follows.

1. As the semester pattern introduced in B.Sc. by R.T.M. Nagpur University Nagpur, in consequence, some new experiments for Semester . I, II, III, IV, V & VI were set up as well as modified as per the requirement by the department.
2. Teachers use L.C.D. projector for effective teaching and also to complete syllabus in due schedule period. The students also may become acquainted to prepare themselves for presentation for seminars.
3. This year the topics based on syllabus are allotted to the students and asked to give the seminars on power point compulsory. As a result, some contents of the syllabus will be prepared by themselves.
4. The students were motivated to participate in seminar at inter college level.

Head **HEAD**

DEPARTMENT OF ELECTRONICS

NABIRA MAHAVIDYALAYA, KATOL

Department of Electronics

**NABIRA MAHAVIDYALAYA, KATOL**  
TEACHING PLAN (Session 2021-22)

Name of the Teacher: Dr. Sachin T. Bahade

Dept.: Electronics

Month	Class	Paper	Topics to be Covered
August	B.Sc. Sem. I	II	<b>Unit I:</b> Number Systems and Codes: Decimal, Binary, Octal, Hexadecimal, representation of integer, fraction, mixed numbers and their mutual conversion, Complement of numbers-1's, 2's, complements, addition and subtraction using 1's and 2's complement method sign and magnitude of numbers. Codes- BCD, 8421, Excess 3, Parity and gray code
		I	<b>Unit I :</b> Identification and uses of electronic components: Resistors, Capacitors, Inductors, Switches
	B.Sc. Sem. III	I	
		II	
September	B.Sc. Sem. V	I	<b>Unit I:</b> Introduction to Electronics communication, block diagram of communication system, Types of communication: analog, digital; simplex, duplex; baseband, modulated, concept of modulation, need for modulation, types of modulation (AM, FM, PM)
		II	<b>Unit I:</b> Block diagram of Intel 8085, ALU, Timing and control unit, General purpose registers, Accumulator, PC, SP, IR, ID, Interrupt, Address and Data bus multiplexing, Flags. Instruction Cycle: T-states, Fetch operation, Execute operation, Machine cycle
	B.Sc. Sem. I	II	<b>UNIT II:</b> Logic gates- OR, AND, NOT, NAND, NOR, XOR and XNOR gates and their truth table, Boolean Laws, double inversion, De Morgan's and Duality theorems, use of NAND and NOR as universal building blocks
		I	<b>Unit I :</b> Transformers and Relays Block diagram of C. R. O. <b>Unit II:</b> Ideal Voltage and Current sources, KCL & KVL, Voltage and current divider circuits, Superposition, Thevenin
B.Sc. Sem. III	I	<b>Unit II:</b> <b>UNIT II:.</b>	
	II		
	B.Sc. Sem V	I	<b>Unit II:</b> Propagation modes of signals: ground waves, sky waves, Ionosphere and satellite; antenna fundamentals, basic principles and types.
		II	<b>UNIT II:</b> Addressing mode, instruction Set- Data transfer group, arithmetic group, logic group, simple programs
October	B.Sc. Sem. I	II	<b>UNIT III:</b> Karnaugh Maps: pair, quads, octets, min term, max term in K Map, K-map for 2,3,4 variables, concept of SOP and POS, simplification of SOP and POS logic expressions using K-map, Design of binary to

  
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			gray code converter, gray to binary code converter using K-map
		I	<b>Unit II:</b> Norton, Maximum power transfer theorems
	B.Sc. Sem. III	I	<b>UNIT III:</b>
		II	<b>Unit III:</b> <b>Unit IV:</b> General features of IC regulators, design of fixed and variable power supply, 78xx, 79xx, LM 317
	B.Sc. Sem. V	I	<b>Unit III</b> Digital communication: Introduction, synchronous, asynchronous transmission, Shannon theorem, ASK, FSK, and PSK modulation.
		II	<b>UNIT III:</b> Instruction set: branch control group, I/O and machine control group, simple programs, stack and subroutines.
Diwali Vacation starts 31-10-2021 TO 10-11-2021			
November	B.Sc. Sem. I	II	<b>UNIT IV:</b> Combinational Logic Circuits Half Adder, full adder, half subtracter and full subtracter, Concept of Encoder, Concept of Decoder: BCD to gray converter, BCD to seven segment converter, parity generator checker, 4-bit Full Adder/ subtracter, Concept of multiplexer, 4:1 mux using gate, Concept of de multiplexer, 1:4 de mux using gate
		I	<b>Unit IV:</b> : The bipolar junction transistor, construction of B. J. T., modes of B.J.T., transistor equation; $\alpha$ , $\beta$ and their relationship,
	B.Sc. Sem. III	I	<b>UNIT IV:</b>
		II	<b>Unit IV:</b>
	B.Sc. Sem V	I	<b>Unit IV:</b> Fiber optic communication system, Advantages of FOC, concept of Fax, concept of cellular telephone, block diagram of cellular telephone, advantages
		II	<b>UNIT IV:</b> Need for interfacing, modes of data transfer, synchronous and asynchronous, interrupt driven, DMA, PPI 8255- Block diagram, modes, control word format.
December	B.Sc. Sem. II	II	<b>Revision</b>
		I	<b>Unit IV:</b> junction biasing Input, output and transfer char of BJT in CE mode, Transistor Biasing, DC load line, Q point, transistor as switch.
	B.Sc. Sem. III	II	<b>Unit IV:</b>
	B.Sc. Sem. IV	I	<b>Revision</b>
	B.Sc. Sem. VI	I	
		II	<b>Revision</b>
<b>Even Semester</b>			

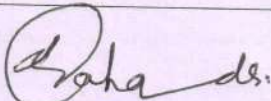


January	B.Sc. Sem. II	II	<b>UNIT I:</b> Logic Families: Characteristics of digital ICs, construction and working of TTL NAND and NOR gates, construction and working of CMOS NAND and NOR gates, Tristate logic comparison of TTL and CMOS logic families with respect to propagation delay, power consumption, noise immunity, noise margin, fan in and fan out.
		I	<b>Unit I:</b> Construction, working, characteristics and applications of JFET, MOSFET parameters of JFET and their relationship parameters of MOSFET and their relationship
	B.Sc. Sem. IV	I	<b>Unit I:</b> <b>Unit I:</b>
		II	
	B.Sc. Sem. VI	I	<b>UNIT I:</b> Constant, Variables and Operators: Character set, C tokens, constant, Keyword, identifiers, variables, data types, declaration of variables, Arithmetic, relational logical, assignment, increment, conditional, bitwise, operators, Arithmetic expression, evaluation of expression, precedence of operators, input/output functions.
		II	<b>Unit I:</b> Architecture and features, Internal and External memory, Flags, SFR Map, SFR Function, Accumulator, Register B, Port registers (P0, P1, P2 and P3), Power Management (PCON)
February	B.Sc. Sem. II	II	<b>UNIT II:</b> Sequential Logic Circuits- Concepts of Edge and Level Triggering, Propagation Delay, set up time, hold time, R-S Flip Flop, Clocked R-S Flip Flop, Limitations of R-S FF, D FF, JK FF, preset and clear, Limitations of JK FF: Race around Condition, JKMS FF
		I	<b>Unit I:</b> parameters of MOSFET and their relationship <b>Unit II:</b> Construction, working, characteristics and applications of Silicon Controlled Rectifier, DIAC, TRIAC and UJT, UJT as relaxation oscillator.
	B.Sc. Sem. IV	I	<b>Unit II:</b>  <b>Unit I:</b> <b>Unit II:</b>
		II	
	B.Sc. Sem. VI	I	<b>UNIT II:</b> Control Structures & Arrays: if- statements, if-else statement, switch statement, go-to statement, while statement, do-while statement, for statement, one dimensional array.
		II	<b>Unit II</b> Instruction set: Data transfer, logical, arithmetic, interrupt handler, Addressing Modes
March	B.Sc. Sem. II	II	<b>UNIT III:</b> Counters: Asynchronous, up/down, Decade, Synchronous, Modified counter, Ring Counter, Johnson counter, unity, noise margin, fan in and fan out.
		I	<b>Unit II:</b> TRIAC and UJT, UJT as relaxation oscillator

			<b>Unit III:</b> Amplifier parameters, notations, concept and definition of h-parameters, open circuit and short circuit tests, Introduction to input impedance, output impedance,
	B.Sc. Sem. IV	I	<b>Unit III:</b>
		II	<b>Unit II:</b> <b>Unit III:</b>
	B.Sc. Sem VI	I	<b>Unit III:</b> User Defined Functions, Types of functions, return values and their types, scope and lifetime of variables in function; basic concept of structure and unions, difference between structure and union
		II	<b>Unit III</b> Subroutine and Stack, Need for Subroutine LCALL and RETURN Instructions, ACA Instructions, Nesting of subroutine, Stack Operation and Stack Instruction, Branching (Jump Instruction), simple programs
April	B.Sc. Sem. II	II	<b>UNIT IV:</b> Registers: Buffer, left shift, right shift, SISO, SIPO, PISO, PIPO Registers, introduction to memories, classification, Memory expansion (word size and word capacity)
		I	<b>Unit III:</b> current, voltage and power gains using h parameters, classification of amplifiers <b>Unit IV:</b> Introduction to power transistor, difference between Voltage and power amplifiers, transformer coupled class A power amplifier and its efficiency, class B Push-pull amplifier, derivation for efficiency, complementary symmetry power
	B.Sc. Sem. IV	I	<b>Unit IV:</b>
		II	<b>Unit III:</b> <b>Unit IV:</b>
	B.Sc. Sem. VI	I	<b>Unit IV:</b> Pointers: Basic concept, expression, variables Defining and opening file, closing a file, I/O operations on file, command line arguments, port interfacing.
		II	<b>Unit IV</b> Interfacing with Keyboard, display - LCD (16 x 2), ADC and DAC, LED Matrix and Serial communication with personal computer
May	B.Sc. Sem. II	I	Revision
		II	<b>Unit IV:</b> class B Push-pull amplifier, derivation for efficiency, complementary symmetry power
	B.Sc. Sem. IV	I	Revision
		II	<b>Unit IV:</b>
	B.Sc. Sem VI	I	Revision
II		Revision	
Summer Vacation	Summer 09/05/2022 to 22/06/2022		

02 AUGUST 1ST TERM

10-01-2022 SECOND TERM

  
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**NABIRA MAHAVIDYALAYA, KATOL  
ELECTRONICS DEPARTMENT (Sr. College)**


**TIME TABLE SESSION 2021-2022**

DAY	Class	8-8.48	8.48-9.36	9.36-9.40	9.40-10.28	10.28-11.16	11.16-11.20	11.20-12.08	12.08-12.56	12.56-1.44	1.44-2.32	2.32-3.20
Mon	B.Sc.I		Ele(STB)					Ele practical (STB)			Ele(STB)	Ele (Tut) (STB)
	B.Sc.II											
	B.Sc.III											
Tue	B.Sc.I		Ele(STB)					Ele practical (STB)			Ele(STB)	Ele (Tut) (STB)
	B.Sc.II											
	B.Sc.III											
Wed	B.Sc.I		Ele(STB)				B					
	B.Sc.II						R					
	B.Sc.III						E					
Thu	B.Sc.I		Ele(STB)				A					
	B.Sc.II						K					
	B.Sc.III	Ele (Tut) (STB)			Ele(STB)			Ele practical (STB)				
Fri	B.Sc.I		Ele(STB)									
	B.Sc.II											
	B.Sc.III	Ele (Tut) (STB)			Ele(STB)			Ele practical (STB)				
Sat	B.Sc.I		Ele(STB)									
	B.Sc.II	Ele(STB)			Ele(STB)			Ele practical (STB)				Ele (Tut) (STB)
	B.Sc.III				Ele(STB)							

Theory =18    Practical =18    Tutorial=05    Total workload = 41

Dr. Sachin T. Bahade =18 (9 Theory+ 9 Practical)

Excess Workload = 23

  
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**NABIRA MAHAVIDYALAYA, KATOL**

**PROFORMA OF TEACHING PLAN-2021-22**  
**To be submitted to the Teacher Appraisal committee**

**Name of the Teacher: Dr. N.B. Hirulkar**

**Dept.: Microbiology**

**Subject/Paper: Microbiology/ Paper I**

**Class: B.Sc. I Year (Sem I & II)**

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<b>Month</b>	<b>Topics to be covered</b>
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**Semester I/ Paper I**

**June :**

**July:** History and scope of Microbiology. Discovery of microbe, Theorey of biogenesis and abiogenesis.

Contribution of Louis Pasteur, Lister winogradkky, Robert Koach and Beijerink, John Tyndal  
Branches of Microbiology,

**August:**

Prokaryotic cell struature, A typical Bacterial cell structure, Structure of cell wall (- gram +ve, gram - ve), Cell membrane: Fluid mosaic model, mesosomes, ibosomes, Nucleoid, Plasmids, storage granule. Capsules, slime layer Pili, Flagella (including types and structure), Endospore structure, formation and germination, Various Spore.

**September:**

Significance of classification, Intuitive classification, Whittaker five Kingdom system, Bergys manual ninth edition, numerical classification,

**October**

Apporaches in modern classification: GC:AT Ratio, DNA Hybridization, 16Sr RNA  
Cataloguining and phylogeny.

**Diwali Vacation**

## **Semester II /Paper II**

### **November**

Microscopy - Principle and application

### **December**

Bright field microscopy, Dark field microscopy, Electron Microscopy(TEM.SEM), Confocal microscopy, Microscopy - Principle and application, Atomic force Microscopy, Phase contrast microscopy, Fluorescent microscopy

### **January**

Staining techniques, Stains and dyes.chromophore,auxochrome,chromogens,types of stains, Staining techniques – Simple ,differential,gram staining acid fast staining, Staining of specific structure-Flagella,spores,capsule(negative),

### **February:**

Nutritional and growth techniques, Isolation of pure culture- various techniques, Determination of CNP etc. by auxeno graphic and replica plate technique

### **March:**

,Synchronous culture techniques, Measurement of growth. Theory of staining,

**Signature**

**NABIRA MAHAVIDYALAYA, KATOL**

**PROFORMA OF TEACHING PLAN-2021-2022**

To be submitted to the Teacher Appraisal committee

**Name of the Teacher: Ku. D.M. Ridhorkar**

**Dept.: Microbiology**

**Subject/Paper: Microbiology/ Paper II**

**Class: B.Sc. I (SEM I & II)**

---

**Month**

**Topics to be covered**

**Semester I**

**June :-**

Introduction of Microbiology & General characters of Microbes.

**July :-**

a) Proteobacteria, b) Mycoplasma and Chlamydia Cynobacteria: Study of anabaena and application of Cynobacteria, Actinomycetes: Streptomycin and their importance Fungi and yeast: General characters, Asexual and sexual mode of reproduction, slide culture techniques.

**August:-**

Differences between prokaryotes and eukaryotes. Algae: General characters and industrially important algal cell, Protozoans: General characters and life cycle of trypanosome,

**September:-**

Detection of viral growth, T4- Bacteriophages, lytic cycle, Lysogeny and Lambda viruses. Acellular microbes: Viruses. Discovery of viruses, General structure, symmetry and classification, Cultivation, chick embryo. Tissue culture,

**October**

Positive and negative interaction: Commensalism, syntrophism, mutualism, parasitism, predation etc. Protist-Protist Interaction: Bdellovibrio Protist- Plant Interaction

## **Diwali Vacation**

### **Semester II**

#### **November**

Root nodule bacteria Protist- Animal interaction: Rumen bacteria, insect midgut bacteria, luminescent bacteria

#### **December.**

Nutritional types of bacteria, Basic nutritional requirements, Types of culture media, growth Selective, enriched, enrichment, synthetic non synthetic. Axenic culture. Diauxic cultures. Bacterial cell cycle, Principle of growth curve and mathematical expression, Continuous culture: Turbidostat and chemostat, Factors influencing microbial growth.

#### **January**

Concept of microbial death, General terms: microbiostatic, microcidal, disinfectant, sanitizer Ideal antimicrobial agents. Physical methods

#### **February**

Phenolics, Alcohols, Halogens, Heavy metals, Quaternary ammonium compounds, a) Heat and moist sterilization b) Dry sterilization c) Low temperature Filtration e) radiation f) osmotic pressure

#### **March**

Biguanides-Chlohexidines, surface active agents, Aldehydes, b) Gaseous sterilization, c) Chemotherapeutic agents, Mechanism of cell injury, Factors influencing antibiotic activity

Signature

NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN-2021-2022

To be submitted to the Teacher Appraisal committee

Name of the Teacher: Ku. D.M. Ridhorkar

Dept.: Microbiology

Subject/Paper: Microbiology/ Paper II

Class: B.Sc. II Year (Sem I & II)

---

Month

Topics to be covered

Semester I

**June:-**

Introduction of Enzymology, Classification of carbohydrates

**July**

Chemistry of Organic constituents and Enzymology, , Structure of glucose , fructose, maltose, lactose,sucrose,raffinose,starch,hyaluronic acid, glycogen ,cellulose,osazone formation

**August**

Classification of lipids, structure of triglyceride, compound lipids, derived lipids. Definition and nature of enzymes, classification, nomenclature, primary concept of enzyme Kinetics,MM equation ,modifications of MM equations, activation energy, transition state ,ES coplex.enzyme activity.Katal,specific activity,turn over number

**September**

Classification of amino acids, and their special characteristics, organizational levels of proteins, Enzyme inhibition and their types, enzyme regulation ,their types,allosteric sites,allosteric modulaters,functional diversity such as holoenzyme,apoenzyme coenzyme,cofactor,prosthetic group,isoenymes,



## **October**

Membrane bound enzymes, multienzyme complex, zymogens Structure of Purines pyrimidines, nucleosides, nucleotides, DNA, RNA, AND Various forms of DNA Types of Vitamins, Classification on the basis of solubility functions of vitamins, Hyper and hypovitaminosis

## **Diwali Vacation**

## **Semester II**

## **November**

General Strategy of metabolism, EMP Pathway and its regulation, TCA cycle and its regulation, Outline of ED Pathway, Pentose Phosphate pathway, PK Pathway

## **December**

Betaoxidation, Omegaoxidation, Replication of DNA, modes of replication, general features, enzyme involved rolling circle and Knife and fork model, Prokaryotic

## **January**

Transcription including general features enzymes involved and reverse transcription Amino acid breakdown, deamination, (alanine, tyrosine, methionine)

## **February**

Urea cycle, metabolic breakdown of individual amino acids, glycolytic and Ketogenic amino acids, Genetic code and Prokaryotic translation

## **March**

High energy molecules, Substrate level phosphorylation, Cyclic and noncyclic photophosphorylation, Oxidative phosphorylation, and ATP generation

**Signature**

**NABIRA MAHAVIDYALAYA, KATOL**

**PROFORMA OF TEACHING PLAN-2021-2022  
To be submitted to the Teacher Appraisal committee**

**Name of the Teacher: Dr. N.B. Hirulkar**

**Dept.: Microbiology**

**Subject/Paper: Microbiology/ Paper II**

**Class: B.Sc. II Year**

---

**Month**

**Topics to be covered**

**June**

Fundamental of industrial microbiology,

**July**

Scope of industrial microbiology, general concept, primary screening, secondary screening, strain development, sterilization of Fermentors, production media and air.

**August**

Fermentor design, Types of fermentation processes, design of typical fermentor, parts of fermentor, factors affecting fermentor design, control of agitation, aeration, pH, and dissolved oxygen, types of fermentor

**September:**

Scale UP and DSP, Inoculum development, scale up of fermentor process, raw media for media preparation, harvesting and product recovery,

Industrial Production, Production, biochemistry, recovery and uses of-SCP, Bakers yeast, ethanol, penicillin, semisynthetic penicillin, citric acid,

**October**

Vit B12 and beer and wine Production

## **Diwali Vacation**

### **November**

Significance of bacteriological analysis of water, collection handling of water sample

### **December:**

Bacteriological analysis of water for coliform, fecal streptococci, MTFT. MFT

Water Treatment using SSF, RSF, Method of Chlorination, Deference between fecal and non fecal organisms

### **January**

Sewage types, and composition, characteristics, BOD. COD. ThOD

Trickling Flirter, Activated Sludge, RBC, Sludge Digestion and Other method for wqater \water Treatment.

### **February**

Microbial Analysis of Air and Its Method, Biopesticides, Biofertilizers, PSB. Mycorerrhiza. Bioleaching examples,

### **March**

Food Spoilage And its organisms, Canning Process. Pasteurization, Preservation of FOOD, Low Temp. Chemical, Food borne Disease And Food Intoxication

**Signature**

**NABIRA MAHAVIDYALAYA, KATOL**

**PROFORMA OF TEACHING PLAN-2021-22**

**To be submitted to the Teacher Appraisal committee**

**Name of the Teacher: Ku. D.M. Ridhorkar**

**Dept.: Microbiology**

**Subject/Paper: Microbiology/ Paper I**

**Class: B.Sc. III Year**

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<b>Month</b>	<b>Topics to be covered</b>
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**Paper I**

**June**

Introduction of Immunology and general feature . Bacteriology systemic.

**July**

**Epidemiology and host** –parasite relationship, Definations, Sign,symptoms and syndrome of disease ,stages of infection diseases-incubation period,prodromal phase,Invasive phase,decline phase and the priod of convalescene,Primary infection,Secondary infection,acute infection,chronic infection,local and systemic infection.

**Dynamics of disease transmission ;-** Causative or etiological agents, Sources of reservoir of infection., Exogenous Humah (case and carrier) Non-living reservoir., Endogenous infection, Portal of exit, Mode of transmission-contact, Vehicle, Vector,Air-borne,transplacental and laboratory/hospital infections, Portal of entry.,Susceptibility of host.

Microbial mechanism of Pathogenicity: Pathogenicity and Virulence,exaltation and attenuation,MID,MLD,ID50,LD50. i) Invasiveness-adherence,capsule,enzymes., Toxigenicity- Exotoxins and Endotoxins., Normal flora of healthy human host, Defination,origin significance,Germ free and Gnotobiotic life., Characteristics of normal flora., c)Infectious microbiology: Microbial diseases of in,eye,digestive,respiratory,cardiovascular,lymphatic,urinary,reproductive and nervous systems.

## August

Study of pathogenic organisms: Morphology, cultural characteristics, serology, lab diagnosis  
Bacteria, Salmonella typhi and paratyphi A& B, Mycobacterium tuberculosis, Spirochetes-  
treponema palladium, Viruses, HIV, Hepatitis A&B, Protozoa, Plasmodium,

Nonspecific defenses of the host species, race and Individual resistances, age, sex, hormonal, and  
nutritional influences, Mechanism of non specific defenses, First line of defence: Skin, mucus  
membrane, Mechanical chemical and microbial defenses.

Second line of defense: Phagocytosis, inflammation, fever, interferon, complement system

## September

Acquired immunity: Active and Passive immunity, Organ involved in immune function, Primary  
lymphoid organs: Bursa, bone marrow, thymus..Secondary lymphoid organs: Lymph  
nodes, spleen, MALT, GALT, CALT.

Diagram of Haematopoiesis., Cells of immune system: general characters of B and T cells,  
Monocytes and macrophages, Neutrophils, Eosinophils and basophiles, Mast cells Dendritic cells

Natural Killer cells, B-Cell biology (Humoral immunity) Primary and secondary immune  
response, Clonal Selection and clonal deletion (immune tolerance), T cell dependent antibody  
response. T cell biology (cell mediated immunity),

of mutation: Mechanism of spontaneous and induced mutations

Types of T cell and cluster of differentiation (CD), CELL receptor, .Cytotoxic T cell response, .  
MHC molecules and antigen presentation (diagrammatic), .Cytokines-Definition, types (colony  
stimulating factors, Interleukins, Tumor necrosis factor alpha)

Antigens:-Definition, complete antigen, hapten, epitope, valence., Factors determining antigenicity  
Antigenic mosaic of bacteria, Antigen in relation to human beings: Species,  
specific, isoantigen, autoantigen (RA), organ specific antigens, Heterophile antigens.

## **October**

Antibody Definition, General Structure, Classes of Immunoglobulins and their functions. Ag-Ab reactions (Diagnostic immunology), General features of antigen-antibody reactions.

Tagged antibody test: ELISA direct and indirect, Immunofluorescence, Hypersensitivity reactions: Definition, Gel & Coombs' Classification.,

## **Diwali Vacation**

## **November**

Type I (Anaphylaxis) Hypersensitivity: Mechanisms of anaphylaxis, systemic and localized anaphylaxis, prevention of anaphylaxis, Type II (Cytotoxic) Hypersensitivity, . Blood transfusion reactions (Rh Compatibility, Hemolytic diseases of the newborn. Type III Hypersensitivity (Immune complex), Arthus reaction, Serum sickness, 2 Type IV (DELAYED) Hypersensitivity, Mantoux test, allergic contact dermatitis.

## **December**

Nonspecific defenses of the host species, race and Individual resistances, age, sex, hormonal, and nutritional influences, Mechanism of non specific defenses, First line of defence: Skin, mucus membrane, Mechanical chemical and microbial defenses.

Second line of defense: Phagocytosis, inflammation, fever, interferon, complement system

Acquired immunity: Active and Passive immunity, Organ involved in immune function, Primary lymphoid organs: Bursa, bone marrow, thymus.. Secondary lymphoid organs: Lymph nodes, spleen, MALT, GALT, CALT.

Diagram of Haematopoiesis., Cells of immune system: general characters of B and T cells, Monocytes and macrophages, Neutrophils, Eosinophils and basophils, Mast cells Dendritic cells

Natural Killer cells, B-Cell biology (Humoral immunity) Primary and secondary immune response, Clonal Selection and clonal deletion (immune tolerance), T cell dependent antibody response. T cell biology (cell mediated immunity),

### **January**

Types of T cell and cluster of differentiation(CD), CELL receptor, .Cytotoxic Tcell response, . MHC molecules and antigen presentation(diagrammatic), .Cytokines-Defination,types (colony stimulating factors,Interleukins,Tumor necrosis factoralpha)

Antigens:-Definition,complete antigen,hapten,epitope,valence., Factors determining antigenicity Antigenic mosaic of bacteria, Antigen in relation to human beings: Species, specific,isoantigen,autoantigen(RA),organ specific antigens,Heterophile antigens.

### **February**

Antibody Defination, Genral Structure, Classes of Immunoglobulins and their fuctions. Ag-Ab reactions(Diagnostic immunology), General features of antigen-antibody reactions.

Tagged antibody test:ELISA direct and indirect, Immunofluorescence, Hypersensitivity reactions:Defination,Gel&Commb's Classification.,

### **March**

Type I (Anaphylaxis) Hypersensitivity:Mechanisms of anaphylaxis,systemic and localized anaphylaxis,prevention of anaphylaxis, Type II (Cytotoxic) Hypersensitivity, . Blood transfusion reactions(Rh Compatibility, Heamolytic diseases of the new borne. Type III Hypersensitivity(Immune coplex), Arthus reaction, Serum sickness, 2Type IV(DELAYED)Hypersensitivity, Mantoux test,allergic contact dermatitis.

**Signature**

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN-2021-2022**  
**To be submitted to the Teacher Appraisal committee**

**Name of the Teacher: MRS. J.A. LAD**

**Dept.: Microbiology**

**Subject/Paper: Microbiology/ Paper II  
& VI)**

**Class: B.Sc. III Year (Sem V**

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<b>Month</b>	<b>Topics to be covered</b>
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**Semester V/ Paper II**

**June**

Concept of gene, muton, recon, cistron.

**July**

Monocistronic and polycistronic gene, gene within gene, split gene. Gene regulation: lac operon (detail).

**August**

Mutation : Definition, random, Vs directed mutation, type of mutation, base pair substitution, frame shift, point, nonsense, missense and silent mutation. Genetic suppression: Intergenic and Intragenic. Molecular basis of mutation: Mechanism of spontaneous and induced mutations

**September**

Definition, Basic concept of recombination, General types of recombination, Transformation. Conjugation, Transductions, Transposable genetic elements (Prokaryotic) Spectroscopy: Laws of absorption, limitations of Beer's law, UV-Visible spectroscopy and its applications. Centrifugation:

**October**

Electrophoresis: Principle, Types of electrophoresis, agarose gel electrophoresis and SDS-PAGE. a) Chromatography: Thin layer chromatography, ion exchange, gel filtration, HPLC b) Isotope tracer technique. Detection and measurement of radioactive isotope: GM counter, scintillation counter.



## **Diwali Vacation**

### **Semester VI / Paper II**

#### **November**

Tools & techniques of genetic engineering

a) Preparation of pure samples of DNA. range of enzymes used in DNA manipulation, analysis of DNA fragment size, joining of DNA molecule vectors and their types.

b) Introducing R DNA into host cell, transformation of cells, identification of transformed cell, selection of clones direct and indirect method.

#### **December:**

c) Expression of cloned genes, construction of gene library, cells for cloning, expression of Prokaryotic genes.

d) PCR and its applications, DNA fingerprinting

Application of genetic engineering

Health Biotechnology

Production of hormone :insulin

Production of interferon

#### **January**

Production of vaccines: Conventional vaccine: BCG, Salk, Diphtheria toxoid, ATS, DNA vaccine, Edible vaccines.

Hybridoma technology, monoclonal antibody formation

b) Agricultural biotechnology

i) Protoplast fusion

ii) Biopesticides

iii) Biofertilizers

### **February**

c) Industrial biotechnology

i) Bio sensor and Nano biotechnology application

ii) Biochips and concept of microarray

a) Ethics and hazards of biotechnology

### **March**

Food

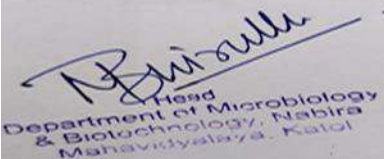
1) Genetically modified food definition and one example

2) Oriental Fermented food: Soya sauce, miso, sufu

3) Transgenic PLANTS bt Cotton

4) Transgenic animals and clones : Knockout mice, Dollyship, Milching animals.

**Signature**



Head  
Department of Microbiology  
& Biotechnology, Nabira  
Mahavidyalaya, Katol



Departmental Action Plan  
2021- 2022  
Departments of Microbiology  
Sem Pattern

<b>Sr. No.</b>	<b>Events/Particulars</b>	<b>Date /Probable Duration</b>
1	Theory classless commencement from	1 July 2021
2	Assignments Distribution For Internal Assessment.	2 August 2021
3	Unit Test I	6 August 2021
4	Unit Test II	30 August 2021
5	Student Seminar	14-21 Sept. 2021
6	Unit Test III	28-29 Sept. 2020
7	Semi Surprise Test	4-5 Oct.2021
8	Unit Test IV	14-19 Oct.2021
9	Pre University Examination	Last week of Oct.2021
10	Theory classless commencement	21 Dec. 2021
11	Assignments Distribution For Internal Assessment	2 Jan.2022

12	Unit Test I	16 Jan. 2022
13	Organize Guest Lecture	2 Feb. 2022
14	Unit Test II	8 Feb.2022
15	Student Seminar	15-22 Feb.2022
16	Educational Visit/Tour	Last week of Feb. 2022
17	Unit Test III	2 March 2022
18	Multiple Choice Question Competition	15 March 2022
19	Unit Test IV	22 March 2022
20	Pre University Examination	Last week of March 2022

**HOD**

Handwritten signature: *N. Butt*  
 Head  
 Department of Microbiology  
 & Biotechnology, Habira  
 University, Faisalabad

## Departmental Action Plan

2021- 2022

### Departments of BIOTECHNOLOGY

#### Sem Pattern

<b>Sr. No.</b>	<b>Events/Particulars</b>	<b>Date /Probable Duration</b>
1	Theory classless commencement from	1 July 2021
2	Assignments Distribution For Internal Assessment.	2 August 2021
3	Unit Test I	6 August 2021
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<b>18</b>	Multiple Choice Question Competition	15 March 2022
<b>19</b>	Unit Test IV	22 March 2022
20	Pre University Examination	Last week of March 2022

**HOD**

*B. S. S. S.*  
Head  
Department of Microbiology  
& Biotechnology, Nambir  
Mahavithayalaya, Kuvempu



**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN-2021-2022**  
**To be submitted to the Teacher Appraisal committee**

**Name of the teacher: Dr. N.B. Hirulkar**

**Dept.: Biotechnology**

**Subject/Paper: Biotechnology/ Paper I**

**Class: B.Sc. I Year (Sem I&II)**

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**Month**

**Topics to be covered**

**Semester I /Paper I**

**June**

**July** Introduction of Biotechnology & Microbiology,

Contribution of Louise Pasteur Robert Koch and Edward Jenner. Microscopy Compound

Microscopy. Principle and application of Various Microscope. Electron microscopy Principle  
,ray diagram and application ,TEM,SEM,.

**August**

Stains and staining procedures Acidic ,basic neutral stains Acid fast staining Flagella staining  
Endospore staining Bacterial morphology shapes size generalized diagram of typical bacterial  
cell slime layer ,capsule cell wall of gram +ve and gram -ve cells. General account of flagella  
and fimbriae chromatin material .plasmid, definition and kind of plasmid.

**September**

A brief idea Bergeys manual .Morphology of archaea,cell membrane other cell structure  
concept of three distinct archae groups Viruses general characteristics of viruses difference  
between viruses and typical bacterial. Cell structure different shapes symmetries with one  
examples of each type classification of viruses on the basis of nucleic acid phage and animal cell  
viruses example of each and their importance Brief idea of lytic cycle and lysogeny.

**October** Nutrition Basic nutritional requirements basic idea of such nutrients as water carbon  
nitrogen sulfur and vitamins etc. natural and synthetic media.

## **Semester I /Paper I**

### **Diwali Vacation**

#### **November**

Growth rate and generation time details of growth curve and its various phases.

#### **December**

Measurement of growth. Physical conditions required for growth Temperature classification of organisms on the basis of temperature .ph etc. pure culture. Cell membrane denaturation of protein inhibition of protein synthesis transcription.

#### **January**

Temperature moist heat autoclave dry heat hot air oven surface tension osmotic pressure radiation UVlight,electricity filtration Microbial control Sterilization disinfection antiseptic sanitization germicide microbistasis preservative and antimicrobial agents mechanisms of cell injury damage to cell wall. Chemical control antiseptic and disinfectants alcohol halogen gaseous sterilization concept of biological control Eukaryotic cell.

#### **February**

Structure and function of the nucleus nucleolus Golgi complex endoplasmic reticulum lysosomes peroxisomes vacuoles

#### **March**

Plant cell wall cytoskeleton and cell locomotion Mitosis and meiosis brief idea of cell cycle muscles and nerve cell structure synaptic transmission neuromuscular junction.

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN-2021-2022**

To be submitted to the Teacher Appraisal committee

**Name of the teacher : Mrs. A.S.Chandak**

**Dept.:**

**Biotechnology**

**Subject/Paper: II Class: B.Sc I (Sem I & II)**

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Month	Topics to be covered
June	* Introduction: Biotechnology Scope and Importance.
July Crick Model DNA, Sequencing.	* Chemical Structure and Base Composition of Nucleic Acid, Watson Forms of DNA (A,Z DNA), Structure of tRNA, Maxam Gilbert DNA
August Curve, Chromatin	* Concept of Prokaryotic and Eukaryotic gene, C-value paradox, Cot Str., Nucleosome Str., Histone Protein, Telomere & Centromere.
September Titration Curve	* Structure and Classification of Amino acid, Physio Chemical Properties, of Neutral, Basic and Acidic Amino acids.
October Tertiary Structure	* Primary Structure of Protein, Secondary Structure ( $\alpha$ helix & $\beta$ Str.), (Myoglobin), Quaternary Structure , Forces Stabilizing, Concept of Oligomeric Protein.
<b>Diwali Vacation</b>	
November Disaccharides	* Carbohydrates, Definition, Classification, Structure of Monosaccharides, Polysaccharides (homopolysaccharides- eg: starch, glycogen), heteropolysaccharides.
December	* Lipids: Definition, Types, Triglycerides, Structure of Saturated & Unsaturated fatty acid.

- January  
Str. of steroids.
- \* Phospholipids, Plasmalogens, Sphingolipids, terpenoids and Isoprenoids,
- February  
Inhibitor,  
enzyme,
- \* Enzymes: Terminology, Active site, Holoenzyme, Substrate, Activator,  
Concept of Isoenzyme (LDH), Concept of Multienzyme (PDH), Allosteric  
Mechanism of Acid Base, Covalent and Metal ion catalysis.
- March  
equation, Factors  
Irreversible
- \* Proof reading mechanism, Lock and key and Induced Fit Model, MM  
affecting enzyme activity, Enzyme Inhibition Kinetics, Brief idea of  
Inhibition, Methods of Enzyme Assay.

**Signature**

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN-2021-2022**  
**To be submitted to the Teacher Appraisal committee**

**Name of the teacher: A.S. Chandak**

**Dept.: Biotechnology**

**Subject/Paper: Biotechnology/ Paper I**

**Class: B.Sc. II Year (Sem III & VI)**

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**Month**

**Topics to be covered**

**Semester III /Paper I**

**June**

Bioenergetics concept of free energy Entropy Enthalpy& Redox potential

**July**

Concept of high energy bonds as related to the structure of ATP,phosphoenolpyruvate, creatine phosphate etc.

**August**

Glycolysis (pathway, entry of other monosachharides.regulation, inhibitors) Gluconeogenesis: Bypass reaction. Structure of mitochondria TCA cycle detailed account, regulation amphibolic and anaplerosis. Electron transport chain sites of ATP synthesis, chemiosmotic theory of oxidative phosphorylation,and Non-oxidative deamination

**September**

Lipid metabolism ,B-oxidation of fatty acid ,role of carnitine,oxidation of unsaturated fatty acids odd carbon fatty acids regulation Ketogenesis ,ketosis,&ketoacidosis in physiology pathology. Synthesis of fatty acid, fatty acid synthesis complex, regulation mitochondrial synthesis of chain elongation &synthesis of unsaturated fatty acids. Metabolism of nitrogenous compounds trasamination mechanism oxidative & Non oxidative deamination Urea cycle detailed account, linkage of urea cycle

## **October**

Transmethylation & decarboxylation, physiologically important products of decarboxylation biosynthesis of Purines and pyrimidines Salvage pathways.

## **Diwali Vacation**

## **Semester VI /Paper II Mrs. A.S. Chandak**

## **October**

Migration of ion in electrical field, Factors affecting electrophoretic mobility

## **November**

Paper electrophoresis –Electrophoretic run, detection cellulose acetate electrophoresis, High voltage electrophoresis Gel electrophoresis- types of gel solubilizers procedure column slab gels .detection, recovery, Estimation of macromolecules.

## **December**

SDS-PAGE Electrophoresis –Application, determination of molecular weight of protein .Determination of subunit stoichiometry, Molecular biology applications.

## **January**

Radioactive & stable isotopes, rate of radioactive decay, Units of radioactivity, measurement of radioactivity Ionization chambers proportional counters, Geiger-muller counter,

## **February**

Solid and liquid scintillation counters Cerenkov radiation measurement of stable isotopes Falling drop method for deuterium measurement Mass spectrometry. Principles of tracer techniques advantages and limitations application of isotopes in biotechnology, distribution studies, metabolic studies, isotope dilution techniques metabolic studies clinical application. Basic principle .concept of RCF, types of centrifuge

## **March**

High speed centrifuge, Ultra Centrifuge, Preparative |Centrifugation Differential and Density gradient centrifugation. Application. Analytical Centrifugation. And their various aspects. Biostatistics, Basic Concept of Mean Median Mode Standard Deviation and Standard Error.

**Signature**

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN-2021-2022**  
**To be submitted to the Teacher Appraisal committee**

**Name of the teacher: Mrs. A.S.Chandak**

**Dept.: Biotechnology**

**Subject/Paper: II**

**Class: B.Sc II (Sem III & IV)**

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**Month**

**Topics to be covered**

**Semester III/Paper II**

**June**

Principle of spectrophotometer, Concept of Electromagnetic radiation, Chromophores and auxochromes.

**July**

Beer's Law derivation and deviations, Instrumentation of UV and visible Spectrophotometer and its application, Double beam and dual wavelength spectrophotometer

**August**

Principles of IR, Mass spectrophotometer principle, Instrumentation of Flame photometry.

**September**

Principles of Paper Chromatography, Partition coefficient, Thin layer chromatography & application, Column chromatography concept, Gel filtration.

### **October**

Ion exchange, Affinity chromatography, High pressure liquid chromatography.

### **Diwali Vacation**

### **Semester IV/Paper II**

### **November**

Principle of Electrophoresis, Migration of ion in electrical field, Factors affecting electrophoretic mobility. Types of electrophoresis – Paper, Cellulose Acetate

Electrophoresis, High Voltage electrophoresis, Gel electrophoresis- types of gel, solubilizers, procedure, column & slab gels, Estimation of macromolecules.

### **December**

SDS-PAGE Electrophoresis – Principle, Procedure, Application (determination of Molecular weight of protein, determination of subunit stoichiometry, Molecular biology applications.), Pulse field gel electrophoresis.

### **January**

Radioactive & stable isotopes, rate of radioactive decay, Units of radioactivity, measurement radioactivity Ionization chambers, proportional counters, Geiger-muller counter.

### **February**

Solid and liquid scintillation counters, Cerenkov radiation. Measurement of stable isotopes: Falling drop method for deuterium measurement, Mass spectrometry. Principles of tracer techniques advantages and limitations, application of isotopes in biotechnology,

### **March**

Basic principle of Centrifuge.



Types of Centrifuge: High speed centrifuge, Preparative Centrifugation:  
Differential and Density gradient, Application, Analytical Centrifugation. Concept of  
Biostatistics, Mean,  
Median, Mode, Standard Deviation and Standard Error.

**Signature**

**NABIRA MAHAVIDYALAYA, KATOL**

**PROFORMA OF TEACHING PLAN-2021-2022**

To be submitted to the Teacher Appraisal committee

**Name of the teacher: Mrs. A.S.Chandak**

**Dept.: Biotechnology**

**Subject/Paper: I**

**Class: B.Sc III (Sem V & VI)**

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Month	Topics to be covered
June	* DNA Replication, Enzymes involved in replication.
July semiconservative replication, Use	* (Initiation, ori C, elongation, termination), Proof for of DNA replication mutant.
August Mechanisms- NER,	* Gene mutations, Types, Mutagens- Physical & Chemical, Repair BER, light induced, SOS.
September elongation,	* Transcription- RNA polymerase, Concept of promoter, Initiation, termination. Role of auxiliary protein, NusA protein.
October	* Brief idea of reverse transcription, Regulation, Lac & Trp operon.
<b>Diwali Vacation</b>	
November	* Water and Waste water Treatment, Primary & Secondary treatment.
December drinking water	* Advance Treatment, Chlorination, Ozonation, Current Community treatment, Assessment of water quality, BOD, DO, COD.
January Biodegradation,	* Indicator of faecal coliform, MPN, MFT, IMVIC, Concept of Biodeterioration, Biotransformation, Biomagnification, Bioaccumulation.
February MO's.,	* Commercial product produced by MO's, Isolation, Screening method of Concept of GMO's and application.
March products, Production	* Quality control and Quality assurance of food and pharmaceutical of Cheese, mushroom, spirulina.

**Signature**

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN-2021-22**  
**To be submitted to the Teacher Appraisal committee**

**Name of the teacher: Mrs. S.P. Nabira**

**Dept.: Biotechnology**

**Subject/Paper: II**

**Class: B.Sc III Year**

**(SEM V & VI)**

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<b>Month</b>	<b>Topics to be covered</b>
<b>June</b>	* Genetic code, Characteristic features of Genetic code.
<b>July</b>	* Structure of tRNA, Aminoacyl synthetase, attachment of Amino acid to tRNA, Woovle hypothesis, Shine & Dalgarno sequence, 16s rRNA.
<b>August</b>	* Protein synthesis: Initiation, elongation, termination, regulation of translation, r-Protein, T <sub>4</sub> Phage, p <sup>32</sup> protein, antibiotic affecting translation.
<b>September</b>	* Basic concept of rDNA technology, enzyme of rDNA manipulation, restriction endonucleases, vectors ( plasmids, cosmids, YAC, BAC, phagemids ).
<b>October</b>	* Transformation, transfection, screening method, Application of r DNA, genomic, cDNA library, PCR technique.
<b>Diwali Vacation</b>	<b>Mrs. A.S. Chandak</b>
<b>November</b>	* Intoduction to plant tissue and cell culture, tissue culture media, lab facilities.
<b>December</b>	* Technique in PTC, Callus, suspension culture, single cell culture, micropropogation,

production of haploid (anther culture), protoplast fusion, application of PTC.

**January** \* Concept of transgenic plants (BT cotton and other plants), Ti plasmids.


**February** \* Animal tissue and cell culture, tissue culture media, lab facilities, applications, ATC cell

culture characteristics, contact inhibition, cell-cell communication, cell senescence. **March** \* Cell lines, mortal and immortal, maintainance in lab, rDNA

product (Insulin, Vaccine,

GH), Gene therapy, IVF in humans and farm animals.

**Signature**



P. Biswal  
Department of Microbiology  
& Biotechnology, Institute  
of Agricultural Sciences, Patna

**DEPARTMENT OF MICROBIOLOGY AND BIOTECHNOLOGY, 2021-22**

			8.00-8.48	8.48-9.36	9.40-10.28	10.28-11.16	11.16-11.20	11.20-12.08	12.56-1.44		
<b>B.Sc. I</b>	MB	Paper I				NBH (M,T,W)	Practical Classes (W,Th) NBH/DMR				
		Paper II				DMR (Th,F,S)					
	BT	Paper I			NBH (M,T,W)		Practical Classes (M,T) NBH				
		Paper II			ASC (Th,F,S)						
<b>B.Sc. II</b>	MB	Paper I		DMR (MTW)			Practical Classes (M,T) NBH				
		Paper II		NBH (Th,F,S)							
	BT	Paper I				MTW ASC	Practical Classes (F,S) ASC				
		Paper II				ASC (Th. F. S)					
<b>B.Sc. III</b>	MB	Paper I			JAL/NBH Th,F,S)		Practical Classes (F,S) DRM				
		Paper II			DMR (MTW)						
	BT	Paper I		MTW SPN			Practical Classes (W,Th) ASC				
		Paper II		TFS ASC							

**NBH:- DR. N.B. HIRULKAR/ ASC:- MRS. ADITI S. CHANDAK/ DMR:- KU. D.M. RIDHORKAR/ SPN: - MRS.S.P. NABIRA/ JAL:-  
MRS. J.A. LAAD**

## DEPARTMENT OF MICROBIOLOGY 2021-22

			9.30-10.30	10.30-11.30	11.30-12.30	12.30-1.30	1.30-2.30	2.30-3.30	3.30-4.30	4.30-5.30	
<b>M.Sc. I</b>	<b>MB</b>	Paper I		JAL (M,T,W)			<b>Practical I</b>				
		Paper II		SPN (ThF,S)							
		Paper III	NBH (TH,F,S)				<b>Practical II</b>				
		Paper IV	DMR (M,T,W)								
<b>M.Sc. II</b>	<b>MB</b>	Paper I					<b>Practical I</b>				
		Paper II			JAL (Th,F,S)						
		Paper III			NBH (M,T,W)			<b>Practical II</b>			
		Paper IV	DMR (TH,F,S)								

**NBH:- DR. N.B. HIRULKAR / DMR:- KU. D.M. RIDHORKAR/ SPN: - MRS.S.P. NABIRA/ JAL:- MRS.**





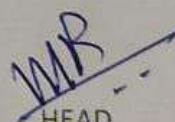
## NABIRA MAHAVIDYALAYA, KATOL

DEPARTMENT OF COMPUTER SCIENCE

ACTION PLAN SESSION 2021-22

The Department of Computer Science going to submit action plan for the session 2021-22 are as follows :-

- 1) Department of computer science will arrange Unit-wise test.
- 2) Department of computer science will conduct seminars for the Computer Science Students.
- 3) Department of computer science will arrange a Guest Lecture for the Computer Science Students.
- 4) Department of Computer Science will arrange MCQ test for B.Sc.I Year Students.

  
HEAD  
Department of Computer Science  
Nabira Mahavidyalaya, Katol

Nabira Mahavidyalaya, Katol

Department of Computer Science

Departmental Time Table 2021-2022

Time Day	8:48 To 9:36	9:40 TO 10:28	10:28 To 11:16	11:20 To 1:44 (Pract.)
Mon	B.Sc I (MRM)	B.SC II (SRG)	B.Sc III (MRM)	B.SC III (MRM+SRG)
Tue	B.Sc I (MRM)	B.SC II (SRG)	B.Sc III (MRM)	B.SC III (MRM+SRG)
Wed	B.Sc I (MRM)	B.SC II (SRG)	B.Sc III (MRM)	B.SC II (MRM+SRG)
Thur	B.SC I (SRG)	B.Sc II (MRM)	B.SC III (SRG)	B.SC II (MRM+SRG)
Fri	B.SC I (SRG)	B.Sc II (MRM)	B.SC III (SRG)	B.SC I (MRM+SRG)
Sat	B.SC I (SRG)	B.Sc II (MRM)	B.SC III (SRG)	B.SC I (MRM+SRG)

**MR**  
**Head**  
Department of Computer Science  
Nabira Mahavidyalaya, Katol



# NABIRA MAHAVIDYALAYA, KATOL

DEPARTMENT OF COMPUTER SCIENCE

DATE:-31<sup>th</sup> Mar. 2022

The meetings of Department of Computer Science was held on 31th Mar. 2022 at 1:00 PM in which following members are present.

1) Prof. M. R. Meshram ---- HOD & Asstt. Professor

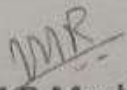
2) Prof. S. R. Gakhare ---- Asstt. Professor


The following agenda was discussed:-

1) Discussion on Syllabus completion .

2) Discussion on submission of students internal assessment.

3) Discussion On Practical completion of Students.

  
1) Prof. M. R. Meshram ---- HOD & Asstt. Professor

  
2) Prof. S. R. Gakhare ---- Asstt. Professor

# NABIRA MAHAVIDYALAYA, KATOL

DEPARTMENT OF COMPUTER SCIENCE

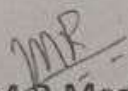
DATE:-1<sup>st</sup> July 2021

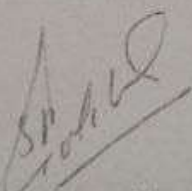
The meetings of Department of Computer Science was held on 1<sup>st</sup> July 2021 at 11:00 AM in which following members are present.

- 1) Prof. M.R. Meshram----HOD & Asstt. Professor
- 2) Prof. S.R. Gakhare----Asstt. Professor

The following agenda was discussed:-

- 1) To Conduct students extra curricular activity.
- 2) Discussion on paper distribution.
- 3) Discussion on new requirement in the Department.

  
1) Prof. M.R. Meshram----HOD & Asstt. Professor

  
2) Prof. S.R. Gakhare----Asstt. Professor

# NABIRA MAHAVIDYALAYA, KATOL

PROFOMA OF TEACHING PLAN 2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of the Teacher:-Prof.Madhuri R.Meshram

Dept:-Computer Science

Subject/Paper I:Programming in C

Class:-B.Sc I(Semester I)

**Month**

**Topics To Be Covered**

June :-

July :-

August :- Unit I:-programming structure,problem solving techniques.

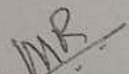
September :- Developing algorithm and drawing flowchart

Unit-II operator and expressions,Library Function.

October :- unit-II:control structure statements

November :- Unit -III :-Arrays strings ,functions

December :-unit-IV:-structure,union,pointer ,file handling

  
Signature



# NABIRA MAHAVIDYALAYA, KATOL

## PROFOMA OF TEACHING PLAN 2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of the Teacher:-Prof.Madhuri R.Meshram

Dept:-Computer Science

Subject/Paper :OPERATING SYSTEM(PAPER-II)

Class:-B.Sc I(Semester III)

### Month

### Topics To Be Covered

June :-

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July :-

August :- Unit I:-Structure of OS.,process management.

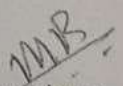
September :- Unit I:-CPU Sceduling ,

Unit-II Performance comparison.

October :- unit-II:Deadlock and starvation,unit -III :memory management

November :- Unit -III :-memory allocation method.

December :-unit-IV:-I/O management,File management,protection mechanism

  
Signature

# NABIRA MAHAVIDYALAYA, KATOL

## PROFOMA OF TEACHING PLAN 2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of the Teacher:-Prof.Madhuri R.Meshram

Dept:-Computer Science

Subject/Paper :Linux OS(paper-II)

Class:-B.Sc. I(Semester IV)

### Month

### Topics To Be Covered

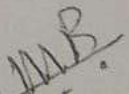
January :- unit I:- shell and commands

Feb. :-Unit II:-Editor,Hooking up hardware devices,system,printing files

Unit-III:-sharing files with others users,working with processes,

March :- Unit III :-working with processes.

April :- Unit-IV :-managing disk space.

  
Signature

# NABIRA MAHAVIDYALAYA, KATOL

## PROFOMA OF TEACHING PLAN 2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of the Teacher:-Prof.Madhuri R.Meshram

Dept:-Computer Science

Subject/Paper :VISUAL BASIC PROGRAMMING(PAPER-I)

Class:-B.Sc III(Semester V)

### Month

### Topics To Be Covered

June :-

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July :-

August :- Unit I:-working withVB component,working with forms.


September :- Unit I:-Basic programming fundamentals.

Unit-II Arrays.

October :- Unit-II:Procedure,Function ,Module .unit

November :- Unit -III :menus,Database Handling ,using ADO.

December :-Unit-IV-Using ADO Data Control,Handling Errors.

  
Signature

# NABIRA MAHAVIDYALAYA, KATOL

PROFOMA OF TEACHING PLAN 2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of the Teacher:-Prof.Madhuri R.Meshram

Dept:-Computer Science

Subject/Paper :COMPILER CONSTRUCTION (PAPER-I)

Class:-B.Sc. III(Semester VI)

Month

Topics To Be Covered

January :- unit I:- compiler and translators, Structure of a compiler.

Feb. :-Unit II:-High level programming language, The lexical and syntactic structure of a language

March :- Unit III :-The role of Lexical analyzer.

April :- Unit-III :-CFG.

Unit-IV: Parsers, code optimization, code Generation.

  
Signature



Nabira Mahavidyalaya, Katol

Profoma of Teaching Plan -2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of the Teacher:-S.R.Gakhare

Dept:-Computer Science

Subject/Paper I:Fundamentals of Information Technology

Class:-B.Sc I(Semester I)

Month

Topics To Be Covered

June :-

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July :-

August :- Unit I :- Basic Components of Digital Computers,CPU, Number Systems  
Language Evolution and Translators.

September :- Unit II :-Memory , Storage Devices.

October :- Unit III :-Input Devices, Output Devices.

November :- Unit IV:-Network , Topologies, Types Of Network, Repeaters, Bridge,  
Routers, Brouter and Gateway. Modem for communication

Between pc, Network Protocols, Architecture.

December :-



Signature

# Nabira Mahavidyalaya, Katol

Profoma of Teaching Plan -2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of the Teacher:-S.R.Gakhare

Dept:-Computer Science

Subject/Paper I: System Analysis and Design

Class:-B.Sc I(Semester II)

Month

Topics To Be Covered

January:- Unit I :- Introduction, Feasibility Study and Analysis, Data Collection

February :- Unit II :- Structured Tools and Techniques of Data Analysis, System Design,  
Input Design, Output Design, Forms, Codes.

March :- Unit III :- Implementation, Testing, Conversion, System Evaluation.

April :- Unit IV :- Project Planning, Scheduling, Software Reliability and Quality Management.

  
Signature

# Nabira Mahavidyalaya, Katol

Profoma of Teaching Plan -2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of the Teacher:-S.R.Gakhare

Dept:-Computer Science

Subject/Paper I:Data Structure

Class:-B.Sc II(Semester III)

Month

Topics To Be Covered

June :- -----

July :-

August :-Unit I :- Linked List, Single Linked List, Circular Single Linked ,Double Linked List

Dynamic Representation.

September :- Unit II :-Stacks Terminology, Translation of Infix ,Postfix and Prefix Expression , Tower of Hanoi and Quick Sort.

October :- Unit III:- Queue ,Circular Queue,Deque, Priority Queue, Sorting and Searching,Hash Tables,

Hashing Technique, Collision Resolution Technique.

November :- Unit IV :- Tree, Basic Terminologies, Traversing of Binary Tree, Binary Search Tree and

Graphs: BSF,DFS Method.

December :-



Signature

# Nabira Mahavidyalaya, Katol

ProForma of Teaching Plan -2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of the Teacher:-S.R.Gakhare

Dept:-Computer Science

Subject/Paper I :-Java Programming

Class:-B.Sc II(Semester IV)

Month

Topics To Be Covered

January :- Unit I :-Introduction of Java , Java Programs .

Feburary :- Unit I :- Variable, Operators , Tokens. Unit II:-Creating a Class and Sub Class.Data Members,Method.Access Specifier and Modifiers,Overloading, Java Class Library,Decision making and Loops,

March :- Unit II :- Array ,String, Inheritance,Interfaces. Unit :- III Packages,Import Statement, Applets, Threads, Exception and Errors.

April :- Unit IV :- Events, Graphics Class ,Streams, AWI Applications,Components and Control, Menus, Image ,Layouts Container.

  
Signature

# Nabira Mahavidyalaya, Katol

ProForma of Teaching Plan -2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of the Teacher:-S.R.Gakhare

Dept:-Computer Science

Subject/Paper I :-DBMS(Database Management System ) Class:-B.Sc III(Semester V)

Month

Topics To Be Covered

June:-

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July :-

August :- Unit I :- DBMS,Traditional File Processing System,Three level Architectures of DBMS, Component of DBMS,Data Administrator, Database Users, Data Model,Different Types of Data Models.

September:-Unit II :-E-R Models Basic Concepts, Mapping ,Problem on E-R Diagrams, Extended E-R Features:-Specialization,Generalization,Aggregation,Tabular representation of Strong, Weak entity sets and Relationship Sets.

October:- Unit III :- Relational Model:- Structure, Algebra, Fundamental Operations ,Set-Intersection, Natural Join, Division and Assignment operation.Extended Relation Algebra operations, Aggregate Functions.

November :- Unit IV :-Functional Dependency, Normalization, Normal Forms (1NF,2NF,3NF,BCNF, 4NF,5NF) Problems on Normal forms

December :-

  
Signature

# Nabira Mahavidyalaya, Katol

ProForma of Teaching Plan -2021-2022

To be Submitted to the Teacher Appraisal Committee

Name of the Teacher:-S.R.Gakhare

Dept:-Computer Science

Subject/Paper I :-SQL AND PL/SQL

Class:-B.Sc III(Semester VI)

Month

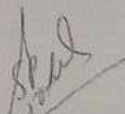
Topics To Be Covered

January :-Unit I:- CODD'S Rules, DDL Statement.

February :-Unit II :-Views , Types of Views ,PL/SQL Programming.

March :-Unit III :-Exception Handling,Cursors,Procedures, Granting the Execute Permission Problems  
On Exception Handling,Cursors and Procedures.

April :- Unit IV :-Function:- Creating and Dropping Function, Triggers,Enabling ,Disabling Triggers,  
Problem on Functions and Triggers.

  
Signature

1.1.1

2. Departmental Time Table / Action Plan

**TIME TABLE**  
**NABIRA MAHAVIDYALAYA, KATOL**  
**DEPARTMENT OF POLITICAL SCIENCE**  
**2021-2022**

DAY	BAI(A)	BAI(B)	BAII	BAIII
MON	10.28	9.40	8.48	11.20
TUE	9.40	-	8.48	11.20
WED	10.28	8.48	11.20	-
THU	9.40	10.28	11.20	8.48
FRI	9.40	8.48	-	11.20
SAT	-	10.28	9.40	11.20



HEAD

**Prof. Harishkumar Y. Kinkar**  
**H.O.D. Deptt. of Political Science**  
**Nabira Mahavidyalaya, Katol**

**DEPARTMENT OF POLITICAL SCIENCE**

**NABIRA MAHAVIDYALAYA, KATOL**

**ACTION PLAN**

**SESSION 2021-2022**

- 1. Classroom Teaching Learning Programs.**
- 2. Visit B.A. Students On State Legislative Assembly.**
- 3. To Organize Guest Lectures On Contemporary Political Issues.**
- 4. To Organize Workshop on Electoral Process.**
- 5. Power Point Presentation on Important Topic.**



**Prof. Harishkumar Y. Kulkarni**  
**H.O.D. Deptt. of Political Science**  
**Nabira Mahavidyalaya, Katol**



4. Teaching Plan

NABIRA MAHAVIDYALAYA KATOL

PROFORMA OF TEACHING PLAN 2021-2022

To be submitted to the Teacher Appraisal Committee

Name of Teacher H.Y. Kinkar Subject/Paper International Relation.

Dept: pol. sci Class B.A VI sem

Month	Topic to be Covered
<u>Jan</u>	① <u>International Relation</u> - meaning, nature scope & significance ② <u>Theories of I.R.</u> - ① Realist Theory ② Game theory.
<u>Feb</u>	③ <u>National power</u> - meaning, nature & elements ④ <u>foreign policy</u> - meaning objective & Determinants.
<u>Mar</u>	⑤ <u>balance of power</u> - meaning, type & technique. ⑥ <u>collective security</u> - meaning, type & technique.
<u>April</u>	⑦ <u>Global Terrorism</u> - meaning cause & technique. ⑧ <u>Human Rights</u> - meaning, nature & importance.



Prof. Harishkumar Y. Kinkar  
 H.O.D. Deptt. of Political Science  
 Nabira Mahavidyalaya, Katol

NABIRA MAHAVIDYALAYA KATOL

PROFORMA OF TEACHING PLAN 2021-2022

To be submitted to the Teacher Appraisal Committee

Name of Teacher: H.Y. Kinkar Subject/Paper: Comparative Politics  
Dept: pol. sci Class: B.A 2 sem

Month	Topic to be Covered
<u>August</u>	① <u>comparative politics</u> - meaning, nature & Approaches. ② <u>feature of constitution</u> - UK & USA
<u>sept</u>	③ <u>political culture</u> - UK & USA ④ <u>Executive</u> - UK & USA.
<u>oct</u>	⑤ <u>political parties</u> - UK & USA. ⑥ <u>Legislature</u> - UK & USA
<u>Nov</u>	04/11/21 to 11/11/21 Biweekly vacation ⑦ <u>pressure group</u> - meaning, nature & type
<u>Dec</u>	⑧ <u>Judiciary</u> - Nature, power, function of judiciary in UK & USA

Prof. Harishkumar Y. Kinkar  
H.O.D. Dept. of Political Science  
Nabira Mahavidyalaya, Katol

NABIRA MAHAVIDYALAYA KATOL


PROFORMA OF TEACHING PLAN 2021-2022

To be submitted to the Teacher Appraisal Committee

Name of Teacher... H. Y. Kinkar Subject/Paper... State Govt. & Politics

Dept: pol. sci Class... B.A. IV sem (A+B)

Month	Topic to be Covered
<u>Jan</u>	① <u>Centre-state Relation</u> - Legislative, Administrative & Financial ② <u>Governor</u> - powers, functions & Role.
<u>Feb</u>	③ <u>Legislative Assembly</u> - composition, power & function. ④ <u>Legislative Council</u> - composition power & function
<u>Mar</u>	⑤ <u>Chief Minister</u> - power - function & Role ⑥ <u>High Court</u> - composition power & function
<u>April</u>	⑦ <u>Panchayati Raj</u> 73 <sup>rd</sup> & 74 <sup>th</sup> constitutional amendment. ⑧ <u>Right to Information Act</u> - Nature - Importance & Role.

  
Prof. Harishkumar Y. Kinkar  
H.O.D. Dept. of Political Science  
Nabira Mahavidyalaya, Katol

NABIRA MAHAVIDYALAYA KATOL

PROFORMA OF TEACHING PLAN 2021-2022

To be submitted to the Teacher Appraisal Committee

Name of Teacher... H.Y. Kinkar Subject/Paper... Indian Gov. & politics  
Dept: Pol. Sci Class... B.A III sem (A+B)

Month	Topic to be Covered
<u>August</u>	① <u>Preamble</u> - Nature objective of constitution features of constitution of India
<u>Sept</u>	② <u>Fundamental Rights</u> - meaning, kinds & restriction.
<u>sept</u>	③ <u>Directive principle of State policy</u> - Nature & significance
	④ <u>President</u> - power & functions.
<u>Oct</u>	⑤ <u>Parliament</u> : composition - power & function.
	⑥ <u>Prime Minister</u> : - power & functions.
<u>Nov</u>	04/11/21 to 11/11/21 Diwali Vacation
	⑦ <u>Supreme Court</u> : composition power & Jurisdiction
<u>Dec</u>	⑧ <u>Major Issues in Indian politics</u> . caste- Religion & Terrorism.

  
Prof. Harishkumar Y. Kinkar  
H.O.D. Dept. of Political Science  
Nabira Mahavidyalaya, Katol


NABIRA MAHAVIDYALAYA KATOL

PROFORMA OF TEACHING PLAN 2021-2022

To be submitted to the Teacher Appraisal Committee

Name of Teacher... H. Y. Kimran Subject/Paper... Western pol. thought  
Dept: POL. SCI Class: B.A II sem (A+B)

Month	Topic to be Covered
<u>Jan</u> <u>August</u>	① <u>PLATO</u> - - Ideal state - Philosopher King - theory of justice - theory of communism
<u>Feb</u>	② <u>Aristotle</u> - theory of state - classification of state - thoughts on Revolution - Slavery
<u>Mar</u>	③ <u>John Stuart Mill</u> - concept of Liberty - concept of Democracy - property - Government.
<u>April</u>	④ <u>Karl Marx</u> - Dialectical materialism - class war - thought on state - theory of surplus value.

  
Prof. Han Kimran  
H.O.S, Dept. of Political Science  
Nabira Mahavidyalaya, Katol

NABIRA MAHAVIDYALAYA KATOL

PROFORMA OF TEACHING PLAN 2021-2022

To be submitted to the Teacher Appraisal Committee

Name of Teacher H.Y. Kinkar Subject/Paper political Theory  
Dept: pol. sci Class B.A I sem (A+B)

Month	Topic to be Covered
<u>August</u>	① <u>political theory</u> - meaning, Nature scope & significance ② <u>state</u> - meaning, basic elements, Approches - liberal & marxist.
<u>sept.</u>	③ <u>power</u> - meaning Nature significance & TYPE ④ <u>Authority</u> - meaning, Nature, sign, type.
<u>oct</u>	⑤ <u>Liberty</u> - meaning Nature significance, type ⑥ <u>Equality</u> - meaning, Nature sign, type
<u>NOV -</u>	04/11/21 to 11/11/21 Biwali Vacation ⑦ <u>Rights</u> - meaning Nature type Natural Rights & Legal theory of Rights
<u>Dec</u>	⑧ <u>Justice</u> - meaning Nature type.

Prof. Harishkumar Y. Kinkar  
H.O.D. Deptt. of Political Science  
Nabira Mahavidyalaya, Katol

1,1,1

**NABIRA MAHAVIDYALAYA KATOL**  
 ( M.A. ENGLISH - I & III SEMESTER )  
**TIME TABLE 2021 - 2022**  
**M.A PART - I & II**

DAY	Class	1	2	BREAK	3	4	BREAK	5
MON.	M.A.I		(PVS)	R E L E S S I O N	(YPB)	(MDL)	R E L E S S I O N	(JGA)
	M.A.II	(MDL)			(YPB)			(SKN)
TUE.	M.A.I	(MDL)	(PVS)		(YPB)	(PVS)		(SKN)
	M.A.II	(JGA)			(YPB)	(YPB)		(JGA)
WED.	M.A.I	(MDL)	(PVS)			(MDL)		(SKN)
	M.A.II							
THU.	M.A.I	(YPB)			(YPB)			
	M.A.II	(MDL)	(PVS)		(JGA)			
FRI.	M.A.I		(PVS)					
	M.A.II	(MDL)			(JGA)			
SAT	M.A.I		(MDL)					(SKN)
	M.A.II	(YPB)			(YPB)			(JGA)


*Dr. P. V. SALAME*  
 Coordinator  
**Dr. P. V. SALAME**  
 Assistant Professor & Head  
 Dept. of English, N.M.V. KATOL

*Principal*  
 Principal

TIME TABLE FOR ARTS FACULTY - 2021-22

W.e.f. 17.08.2021

DAY	TIME	1		2		3		4		5		6	
		8.00 To 8.48	08.48 To 09.36	09.36 To 09.40	09.40 To 10.28	10.28 To 11.16	11.16 To 11.20	11.20 To 12.08	12.08 To 12.56				
MON	BA I A	MLT (RRP)/ELT (PKT)	ENG (PKT)	Recession	HIS (RRD)/ PHI (BPW)	POL.SCI. (HYK)/H.ECO (DDG)	Recession	MARA (BSK)	H.ECO, PRACTICAL				
	BA I B	MARA (BSK)	HIS (RRD)		POL.SCI. (HYK)	ENG (PKT)		HIS (RRD)/ PHI (BPW)	ELT (PVS)				
	BA II B	ECO (VKB)	ENG (PVS)		MLT (RRP)/ELT (PVS)	MARA (BSK)		ENG ( )	ENG ( )	.....			
TUE	BA I A	POL.SCI. (HYK)	ECO (VKB)	Recession	MARA (BSK)	HIS (RRD)/ PHI (BPW)	Recession	MARA (BSK)	ENG (TUT)				
	BA I B	MARA (BSK)	HIS (RRD)		POL.SCI. (HYK)/H.ECO (DDG)	ENG (TUT)		.....	.....				
	BA II A	MLT (RRP)/ELT (PKT)	ENG (PKT)		MLT (RRP)/ ELT (PVS)	POL.SCI. ( )		.....	.....				
WED	BA I A	ECO (VKB)	ENG (PVS)	Recession	MLT (RRP)	ECO (VKB)	Recession	ENG (TUT)	.....				
	BA I B	MARA (BSK)	HIS (RRD)		MLT (RRP)/ELT (SKN)	ENG (PKT)		.....	.....				
	BA II B	MLT (RRP)/ELT (PKT)	ENG (PKT)		MLT (RRP)/ELT (PVS)	ECO (VKB)		.....	.....				
THU	BA I A	POL.SCI. (HYK)	ECO (VKB)	Recession	HIS (RRD)	POL.SCI. (HYK)	Recession	ENG (TUT)	.....				
	BA I B	MARA (BSK)	HIS (RRD)		MLT (RRP)/ELT (SKN)	ENG (PKT)		.....	.....				
	BA II B	MLT (RRP)/PHI (BPW)	ECO (VKB)		MLT (RRP)	ENG ( )		.....	.....				
FRI	BA I A	POL.SCI. (HYK)	ECO (VKB)	Recession	MARA (BSK)	HIS (RRD)/ PHI (BPW)	Recession	ENG (TUT)	.....				
	BA I B	MARA (BSK)	HIS (RRD)		MLT (RRP)/ELT (SKN)	ENG (PKT)		.....	.....				
	BA II B	MLT (RRP)/PHI (BPW)	ECO (VKB)		MLT (RRP)/ELT (SKN)	ENG (TUT)		.....	.....				
SAT	BA I A	POL.SCI. ( )	MARA ( )	Recession	MARA (BSK)	HIS (RRD)/ PHI (BPW)	Recession	ENG (TUT)	.....				
	BA I B	MARA ( )	HIS (RRD)		MLT (RRP)/ PHI (BPW)	ENG (TUT)		.....	.....				
	BA II B	MLT (RRP)/PHI (BPW)	HIS (RRD)/PHI (BPW)		POL.SCI. (HYK)/H.ECO (DDG)	H.ECO, PRACTICAL		.....	.....				

  
 P.V. S. Saravathi  
 Assistant Professor & Head  
 English, N.M.V. KATOL  
 Kondhwa  
 SALAME

Nabha Mahabodhyalay  
 Katal, Dist. Narmur



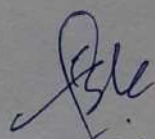
**Nabira Mahavidyalaya, Katol**

**Department of English**

**Action Plan - 2021-22**

<b>August</b>	Guest lecture for literature students.
<b>September</b>	Inter-Collegiate poster competition
<b>October</b>	Poetry Recitation program.
<b>November</b>	Intercollegiate student's seminar.
<b>December</b>	Guest lecture for literature students.
<b>January</b>	Essay writing competition.
<b>February</b>	Get together of all classes of literature students.
<b>March</b>	Guidance about examination to all students.

**Date :**

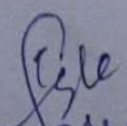
  
**Dr. P. V. SALAME**  
Assistant Professor & Head  
Dept. of English, N.M.V. KATOL

**DEPARTMENT OF ENGLISH (PG)**  
Nabira Mahavidyalaya Katol

**Report**  
Completion of Syllabus

Date - 02/02/2022

Sr.No	Name of the Teacher	Subject/Paper	Class	% of Syllabus Completed	Signature
1.	Dr S.K. Navin	ELT	B.A. III	100%	
2.	Dr P.V. Salame	ELT	B.A. II	98%	
		C.E.	IT	100%	
		B.sc. I (Eng)	B.Sc. I	100%	
3.	Dr Y.P. Barbuddhe	B.com. I (Eng)	B.com. I	100%	
		B.com. II (Eng)	B.com. I	100%	
4.	Mr. S. Jogewar	English	B.com. I (Eng)	95%	
		English	B.com. II (Eng)	100%	
5.	Mr J. Alone	English	B.B.A. I	98%	

  
**Dr. P.V. SALAME**  
 Assistant Professor & Head  
 Dept. of English, N.M.V. KATOL  
 (Dr. P.V. Salame)

Nabira Mahavidyalaya, Katol

Department of English

B.A. II yr.

Teaching Plan - 2021-22

B.A. III Sem.

B.A. IV Sem

July	
August	<u>Poems</u> - The Chimney Sweeper, The solitary Reaper, His Burial, The Last Rose of Summer, I would I were a careless child
September	<u>Poese</u> - Ode To The west wind, Ode on a Grecian Urn <u>Poese</u> - Dream Children, A Bachelor's complaint on Reading old Books, on the Feeling of Immortality
October	<u>Literary Forms</u> - Picaresque Novel, Epistolary Novel, Gothic Novel, Sentimental Novel, Historical Novel, Regency Novel, Black Comedy
November	<u>Literary Terms</u> - Maxim, Memoir, Metonymy, Mimesis, Myth, Novella, Onomatopoeia, Oxymoron
December	<u>Poems</u> - Ulysses, The Last Leaves, Dover Beach, Up Hill, Pied Beauty, Nightingales, If
January	<u>Poese</u> - El Dorado, Walking Tours, Child's Play, An Apology For Idlers
February	<u>Literary Forms</u> - Dramatic Devices, Dramatic Irony, Soliloquy, Aside, Comic Relief, Expectation, Surprise, Three Unities, Chorus
March	<u>Literary Terms</u> - Parable, Paradox, Pathetic Fallacy, Parody, Procatopesis, Romance, Round-robin Story, Sensibility

Name of Teacher  
**Dr. P. V. SALAME**  
 Assistant Professor & Head  
 Dept. of English, N.M.V. KATOL  
 P.V. Salame

Nabira Mahavidyalaya, Katol

Department of English

B. Sc. I<sup>st</sup> English Teaching Plan - 2021-22

B.Sc. I  
Sem

B.Sc. II  
Sem

July	
August	Prose - My Struggle for an Education, Florence Nightingale, The Birth of Khadi
September	Pro, Kiss the World Poetry - Ulysses, Yussuf, If
October	Grammars and Comprehension - Comprehension of Unseen Passage, Preposition
November	Subject-Verb agreement - Summarizing.
December	Prose - Gramscott's Innovation and Social Enterprise Two Gentlemen of Verona, The Vesuvio
January	Synthesis of Science and Spirituality Poetry - Richard Cory, Allow Sanity a Little Space
February	Refuge Blues Vocabulary Buildings - Phrasal Verbs
March	Revision on the taught portion

Name of Teacher  
Dr. P. V. SALAME  
Assistant Professor & Head  
Dept. of English, N.M.V. KATOL

P. V. Salame

Nabira Mahavidyalaya, Katol

Department of English

B.A. II yr (Comp. Eng.) Teaching Plan 2021-22

July	
August	Prose - The Lottery Ticket, The Three questions, Water; The Elixir of Life, With the Photographer
September	Personalities - Mallika Srinivasan G.D. Naidu, Also Morito
October	Poetry - Yussouf, Lord Ullin's Daughters To Indra - My Native Land When we two parted.
November	Grammar and composition - Prose writing, Verse, Expansion of an Idea or a Proverb
December	Prose - The Last Salvation, Forgetting, The Diamond Necklace, Lawley Road
January	Personalities - Satyaki - the struggle... , The Tiger and the Deer, Polonius to Laertes Native
February	Grammar and composition - Story writing, Narration, writing E-mails
March	Revision on the taught portion.

B.A. III  
Sem

B.A. IV  
Sem

Name of Teacher  
Dr. P. V. SALAME  
Assistant Professor & Head  
Dept. of English, N.M.V. KATOL

P.V. Salame

Nabira Mahavidyalaya, Katol

Compulsory English  
B. Com. Semester I

Department of English

Teaching Plan 2021-2022

July	
August	<p><u>Unit 1: Prose</u>                      1. Sreelakshmi Suresh,                      2. Why a start-up Needs to find its Customers first.                      3. Devender Pal Singh [grammar; Noun and Pronoun - UNS]</p>
September	<p><u>Unit 2: Prose</u>                      1) The Model Millionaire → Oscar Wilde                      2) The Monkey's Paw → William Jacobs                      3) The Lumber Room → Saki.</p>
October	<p><u>Unit 3: Poetry</u>                      1) Invictus by W.E. Henley                      2) The Builders by H.W. Longfellow                      3) Stay Calm by Grenville Kleiser.</p>
November	<p><u>Unit 4: Writing Skills</u>                      1. Emails                      2) speeches 3) Views and Opinions.  <u>Unit 5: Nouns, Pronouns, Verbs, Adjective Adverbs Prefixes &amp; suffixes, Root words.</u></p>
December	<p><u>Unit 1 Prose</u>                      1) Stephen Hawking                      2) How to be a Healthy User of Social Media                      3) Jadav Payeng</p>
January	<p><u>Unit 2: Prose</u>                      1) Luck Mark Twain                      2) How I Became a Public Speaker J.B. Shaw                      3) My Lord, the Baby. Rabindranath Tagore.</p>
February	<p><u>Unit 3. Poetry</u>                      1. Success is counted Sweetest                      2. The World is too Much with us                      3) No Man is an Island.</p>
March	<p><u>Unit 4 writing skills</u>                      1) Weave Your idea 2. Interviews                      3) Interviews  <u>Unit 5: 1) Articles 2, Prepositions 3) Conjunctions 4) Interjections.</u></p>

B. Com. Semester II

*P. V. Salame*  
**Dr. P. V. SALAME**  
 Assistant Professor & Head  
 Dept. of English, N.M.V. KATOL

Name of Teacher  
*Dr. Y.P. Barbuddhe*  
**Dr. Y.P. Barbuddhe**

July	
August	Unit-I Prose 1) The Chicago Speeches /swami Vivekananda 2) What Teenagers Needs to know about Cybersecurity 3) Values in Life by Rudyard Kipling
September	Unit-2 Prose 4. Work Bring solace by A.P.J. Abdul Kalam 5. Too Dear! Leo Tolstoy 6. The Pleasures of Ignorance Robert Lynd.
October	Unit:3 Poetry 7. The Tiger an the Deer shri Aurobindo 8. A Dream within a Dream 9. Leisure
November	Unit:4 Writing skills 10. Application letters, 11. Etiquette & Manners 12. Writing Blogs Unit:5 Language study - 13) Types of sentences 14) Tenses.
December	Unit:1 Prose 1) gifts 2) India, what can it Teach Us? 3) Why we Travel
January	Unit 2 Prose 4. The Doll's House 5. The globe of gold 6. The Beggar
February	Unit 3 7. The Ballad of father Gilligan 8. god's grandeur 9. The soul's prayer
March	Unit:4 writing skills 10) Comprehension, 11) Summary writing 12) Writing Dialogue 13) group Discussions. Unit:5 Language study 14) voice, 15) Direct/Indirect Speech.

B.Com →  
Semester  
IV

Dr. P. V. SALAME  
Assistant Professor & Head  
Dept. of English, N.M.V. KATOL

Name of Teacher  
*Dr. Y. P. Barbudhe*  
Dr. Y. P. Barbudhe

1.1.1

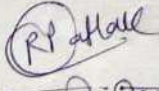
2. Departmental Time Table / Action Plan .

**मराठी विभाग**

**कृती आराखडा (Action plan)**

2021-22

1. विषयानुसार अतिथी व्याख्यान ठेवण्यात येईल
2. निबंध, काव्य, कथा लेखनासाठी विद्यार्थ्यांना प्रवृत्त करणे, उत्कृष्ट लेख वार्षिकांकात छापले जातील.
3. विषयानुसार लेखी चाचणी परीक्षा घेतल्या जाईल.
4. मराठी साहित्याच्या वर्गात विद्यार्थ्यांचे विषयानुरूप चर्चासत्र घेतल्या जाईल.
5. काव्य लेखन स्पर्धा
6. विषयात कमजोर विद्यार्थ्यांना मार्गदर्शन
7. गुणावत्ता वाढविण्याच्या दृष्टिने मार्गदर्शन
8. अभ्यासक्रम अनुषंगाने नाट्य-दर्शन
9. मराठी भाषा संवर्धन पंधरवडा

  
मराठी विभाग  
डॉ. आर. आर. पाठक  
डॉ. आर. आर. पाठक  
सहयोजक, उपकेंद्र, प्रमुख  
नवीरा महाविद्यालय, कांदील



Nabha University  
Department of Morathi  
TIME TABLE - 2021-2022

DAY	8:00-8:48	8:48-9:36	9:40-10:28	10:28-11:16	11:20-12:08	6 12:08-1
MON	B.A. I (B) BSK B.Com. II (Mor.) (VRV) BA I A+B MILT R.R.P.	B.Com. I (Mor.)	B.A. III - BSK B.A. II MILT R.R.P.	B.A. II (A) BSK B.A. III (R.R.P.) MILT	B.A. I (A) - BSK B.A. I (A) - BSK	
TUE	B.A. I (B) BSK B.Com. II (Mor.) (VRV) BA I A+B MILT (R.R.P.)	B.A. III - BSK	B.A. II - R.R.P.	B.A. III MILT (R.R.P.)	B.A. I (A) - BSK B.Com. I (Mor.) (VRV)	B.A. - II - BSK
WED	B.Com. II (Mor.) (VRV) B.A. I A+B MILT (R.R.P.)	B.A. III - BSK	B.A. II (B) - BSK B.A. II - R.R.P.	B.A. III MILT (R.R.P.)	B.A. II (B) - BSK	
THU	B.Com. I (Mor.) (VRV) BA I A+B MILT B.S.C. I (R.R.P.)	B.A. I (B) - BSK	B.A. III - BSK B.A. II - R.R.P.	B.A. II (A) - BSK BA III - MILT R.R.P.		
FRI	B.Com. I (Mor.) (VRV) BA I A+B R.R.P. B.S.C. I - R.R.P.	B.A. II (A) - BSK	B.A. II - R.R.P.	BA IIP (R.R.P.) B.Com. II (Mor.) (VRV)	B.A. I (A) - BSK	
SAT	B.A. II (A) - BSK B.Com. I (Mor.) (VRV) B.S.C. I R.R.P.	B.A. II (B) - BSK	B.A. II (A) - BSK B.Com. II (Mor.) (VRV)	B.A. II (B) - BSK B.Com. II (Mor.) (VRV)		

आर. आर. पाठक  
सहायनी प्राचार्य व कक्षा अधिकारी  
नवीन महाविद्यालय, फाउंडेशन  
HOP. 01/02/2022 Def 1  
9-5

## 1.1.1

## 3. Meetings (Syllabus Completion Review.)

**DEPARTMENT OF MARATHI**  
Nabira Mahavidyalaya Katol  
**Report**  
Completion of Syllabus

Date - 20/5/2022

Sr.No	Name of the Teacher	Subject/Paper	Class	% of Syllabus Completed	Signature
01	Dr. R. R. Palkale	MLT	B.A., B.A.P. BA III	100%	(R. Palkale)
02	Dr. B. S. Kadbe	Marathi	B.A.I, II III	100%	(B. S. Kadbe)
03	Prof. V. R. Wanjare	Marathi	B.Com.II	100%	(V. R. Wanjare)
04	Dr. R. R. Palkale	Marathi	B.Sc.I	100%	(R. Palkale)

(R. Palkale)  
Dr. R. R. Palkale  
HOD. Marathi  
डॉ. आर. आर. पालके  
सहयोगी प्रमुख  
नबिरा महाविद्यालय, काटोल

### 1.1.1

## 4. Teaching Plan B.Com 1<sup>st</sup> and 2<sup>nd</sup> year

Department of Learning University

नबिरा महाविद्यालय, काटोल.  
अध्यापन आराखडा - २०२१ - २०२२

प्राध्यापकाचे नाव : विनोद रामदास वंजारी  
विभाग : मराठी

विषय / पेपर : मराठी  
वर्ग : बी.कॉम. - सत्र : १

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रुजू दिनांक - २८ सप्टेंबर २०२१

महिना  
ऑक्टोबर .

घटक  
घटक - १ - गद्य विभाग.

१ - भारतीय लोकशाहीचे भवितव्य  
२ - काळी आई  
३ - संत तुकातामांचे अभंग  
४ - मनुष्याचा देव आणि विश्वाचा देव  
५ - समतेचे वारकरी : संत गाडगे बाबा आणि राष्ट्रसंत तुकडोजी महाराज  
६ - लोककल्याणकारी राजा : छत्रपती शाहू महाराज

दिवाळी : ३१ ऑक्टोबर ते १० नोव्हेंबर

नोव्हेंबर .

घटक - २ - पद्य विभाग.

१ - ज्ञानेश्वरांचे अभंग  
२ - वनसुधा  
३ - नवा शिपाई  
४ - मेंढर  
५ - पोरी  
६ - गाव

डिसेंबर .

घटक - ३ - व्यावहारिक मराठी.

१ - म्हणी  
२ - मुलाखतलेखन

वर्ग : बी.कॉम. -सत्र : २

महिना

घटक

जानेवारी.

घटक - १ -

- १ - आमची एक दुष्ट खोड : आळस
- २ - शील बनविणारे शिक्षक
- ३ - मनुष्याचा देव आणि विश्वाचा देव
- ४ - डॉ. पंजाबराव देशमुख

फेब्रुवारी.

- ५ - नात
- ६ - रुपी-माझी साक्ष

घटक - २ -

- १ - एकनाथांची भारुडे
- २ - दणकट दंडस्नायू जैसे

मार्च.

- ३ - माय
- ४ - पुतळे
- ५ - उद्घोष
- ६ - जागर

एप्रिल.

घटक - ३ -

- १ - वाकप्रचार
- २ - जाहिरातलेखन

विनोद रामदास वंजारी

स्वाक्षरी

नबिरा महाविद्यालय, काटोल .  
अध्यापन आराखडा - २०२१ - २०२२

प्राध्यापकाचे नाव : विनोद रामदास वंजारी

विभाग : मराठी

विषय / पेपर : मराठी

वर्ग : बी.कॉम. - सत्र : ३

सूचना दिनांक - २८ सप्टेंबर २०२१

महिना

घटक

ऑक्टोबर .

घटक - १ - गद्य

- १ - विंझी गोडवाडा अवस्थान
- २ - शेती सुधारणाविषयक विचार
- ३ - अखेरचे वक्तव्य
- ४ - भारतीय स्त्रीत्वाचे गाणे सावित्री
- ५ - मरिआईचा गाडा
- ६ - पुस्तक चोरून शाळा शिकली

दिवाळी : ३१ ऑक्टोबर ते १० नोव्हेंबर

नोव्हेंबर .

घटक - २ - पद्य

- १ - संत कावियत्रीची अभंगवाणी
- २ - निश्चयाचा महामेरू
- ३ - नववधू, प्रिया मी ...
- ४ - सारेच दीप कसे मंदावले आता
- ५ - सोनं होऊन उगाव
- ६ - विश्वाचे नवल

डिसेंबर .

घटक - ३ - व्यावहारिक मराठी

- १ - वृत्त संपादन
- २ - शुद्ध शब्द

वर्ग : बी.कॉम. - सत्र : ४

महिना

घटक

जानेवारी .

घटक - १ - गद्य विभाग

- १ - खरे विद्यापिठ
- २ - संस्कार
- ३ - नक्षत्रांचे देणे
- ४ - बिल्वा

फेब्रुवारी.

घटक - २ - पद्य

- ५ - श्रीकृष्ण : बहुआयामी व्यक्तिमत्व
- ६ - यमाजीची गोष्ट
- १ - तीन अभंग
- २ - दयाचे ज्ञान मला

मार्च.

- ३ - दैवजात दुःखे भरता
- ४ - कष्टाचे गीत
- ५ - जीजामाता
- ६ - पाखरू ...

एप्रिल.

घटक - ३ - व्यावहारिक मराठी

- १ - इंटरनेट आणि मराठी भाषा
- २ - इंग्रजी शब्दसंक्षेप व मराठी शब्दविस्तार

विनोद रामदास वंजारी

स्वाक्षरी

नबिरा महाविद्यालय, काटोल .  
अध्यापन आराखडा - २०२१ - २०२२

प्राध्यापकाचे नाव : विनोद रामदास वंजारी

विभाग : मराठी

विषय / पेपर : मराठी

वर्ग : बी.कॉम.(इंग्रजी) - सत्र : ३

रुजू दिनांक - २८ सप्टेंबर २०२१

महिना घटक

ऑक्टोबर . घटक - १ - गद्य

- १ - विंडी गोडवाडा अवस्थान
- २ - शेती सुधारणाविषयक विचार
- ३ - अखेरचे वक्तव्य
- ४ - भारतीय स्त्रीत्वाचे गाणे सावित्री
- ५ - मरिआईचा गाडा
- ६ - पुस्तक चोरून शाळा शिकली

दिवाळी : ३१ ऑक्टोबर ते १० नोव्हेंबर

नोव्हेंबर .

घटक - २ - पद्य

- १ - संत कावियत्रींची अभंगवाणी
- २ - निश्चयाचा महामेरू
- ३ - नववधू, प्रिया मी ...
- ४ - सारेच दीप कसे मंदावले आता
- ५ - सोनं होऊन उगाव
- ६ - विश्वाचे नवल

डिसेंबर .

घटक - ३ - व्यावहारिक मराठी

- १ - वृत्त संपादन
- २ - शुद्ध शब्द

वर्ग : बी.कॉम(इंग्रजी). - सत्र : ४

---

महिना

घटक

जानेवारी .

घटक - १ - गद्य विभाग

- १ - खरे विद्यापिठ
- २ - संस्कार
- ३ - नक्षत्रांचे देणे
- ४ - बिल्वा
- ५ - श्रीकृष्ण : बहुआयामी व्यक्तिमत्व
- ६ - यमाजीची गोष्ट

फेब्रुवारी.

घटक - २ - पद्य

- १ - तीन अभंग
- २ - दयावे ज्ञान मला
- ३ - दैवजात दुःखे भरता
- ४ - कष्टाचे गीत
- ५ - जीजामाता
- ६ - पाखरू ...

मार्च.

घटक - ३ - व्यावहारिक मराठी

- १ - इंटरनेट आणि मराठी भाषा
- २ - इंग्रजी शब्दसंक्षेप व मराठी शब्दविस्तार



विनोद रामदास वंजारी

स्वाक्षरी

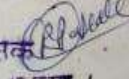
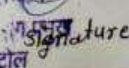


**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN - 2021-2022**  
 To be submitted to the Teacher Appraisal Committee.

Name of the Teacher : Dr. R. R. Pathak  
 Subject/Paper : MLT

Dept : Marathi  
 Class : BA I, II, III

Months	class	Topic to be covered
August	BA I (A+B) BA II (A+B)	आत्मचरित्र स्वरूप काव्याची संकल्पना, स्वरूप
September	BA III BA I (A+B) BA II (A+B)	लीळाचरित्र स्वरूप आत्मचरित्र संकल्पना, माझी जन्मरेप साठोत्तरी मराठी कविता स्वरूप
October	BA III BA I A+B BA II A+B	लीळाचरित्र प्रकार माझी जन्मरेप आत्मचरित्र साठोत्तरी मराठी कविता
November	BA III BA I A+B BA II A+B	लीळाचरित्र, दलित साहित्य वेदना विद्रोह माझी जन्मरेप, प्रतिभासाधन
December	BA I A+B BA II A+B BA III	साठोत्तरी मराठी कविता / अभिनव काव्य प्रकार लीळाचरित्र, दलित साहित्य वेदना विद्रोह
January	BA III BA I A+B BA II A+B BA III	माझी जन्मरेप / प्रतिभासाधन साठोत्तरी मराठी कविता दलित साहित्य / भाषाविज्ञान
February	BA I A+B BA II A+B BA IIIA	प्रतिभासाधन अभिनव काव्य प्रकार भाषाविज्ञान
March	BA I A+B BA II A+B BA III	नाटक पुरक वाङ्मय प्रकार / स्वरूप / संकल्पना कथा वाङ्मय / साठोत्तरी मराठी कथा आत्मचरित्राचे स्वरूप / आत्मकथन
April	BA I A+B BA II A+B BA III	नटसम्राट साठोत्तरी मराठी कथा गरुडरोप
May	BA I A+B BA II A+B BA III	नटसम्राट साठोत्तरी मराठी कथा गरुडरोप पुरक श्येयवेडाप्रवास / प्रतिभासाधन
June	BA I A+B BA II A+B BA III	अभिनव काव्य प्रकार मराठी वाङ्मयाचा इतिहास प्रतिभासाधन अभिनव काव्य प्रकार भाषाविज्ञान
July		

डॉ. आर. आर. पातक   
 सहयक व मरः   
 नबीरा महाविद्यालय, काटोल

Presented  
Not  
Attended  
of 4

**Nabira Mahavidyalaya, Katol**  
Proforma of Teaching Plan – 2021-2022  
Name of the Teacher :- **Dr. Bharat S. Kadbe**

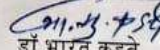
Dept : **Marathi**

Class :- B.A. I<sup>st</sup>, II<sup>nd</sup>, III<sup>rd</sup> Year

Subject -- (०१) साहित्यरंग भाग --- ०१  
(०२) साहित्यरंग भाग --- ०२  
(०३) साहित्यसंवाद भाग --- ०३

<b>Semester I<sup>st</sup>, III<sup>rd</sup>, V<sup>th</sup> (Compulsory Marathi)</b>		
Months	Class/ Semester	Topic to be Coverd
August 2021	B.A.I ( A+B) -- साहित्यरंग भाग -०१	गद्य - पाठ - १ पद्य - कविता - १
	B.A.II ( A+B)- साहित्यरंग भाग -०२	गद्य - पाठ - १ पद्य - कविता - १
	B.A.III साहित्यसंवाद भाग - ०३	गद्य - पाठ - १ पद्य - कविता - १
September 2021	B.A.I ( A+B) साहित्यरंग भाग -०१	गद्य - पाठ - २ पद्य - कविता - २
	B.A.II -(A+B) साहित्यरंग भाग -०२	गद्य - पाठ - २ पद्य - कविता - २
	B.A.III - साहित्यसंवाद भाग - ०३	गद्य - पाठ - २ पद्य - कविता - २
October 2021	B.A.I ( A+B) साहित्यरंग भाग -०१	गद्य - पाठ - ३ व्यावहारिक मराठी पाठ - १
	B.A.II ( A+B) साहित्यरंग भाग -०२	गद्य - पाठ - ३ व्यावहारिक मराठी पाठ - १
	B.A.III - साहित्यसंवाद भाग -०३	गद्य - पाठ - ३ व्यावहारिक मराठी पाठ - १
November 2021	B.A.I ( A+B) साहित्यरंग भाग -०१	गद्य -पाठ - ४ व्यावहारिक मराठी पाठ - २
	B.A.II ( A+B) साहित्यरंग भाग -०२	गद्य - पाठ - ४ व्यावहारिक मराठी पाठ - २
	B.A.III - साहित्यसंवाद भाग -०३	गद्य - पाठ - ४ व्यावहारिक मराठी पाठ - २
December 2021	B.A.I ( A+B) साहित्यरंग भाग -०१	गद्य - पाठ - ५ पद्य - कविता - ४, ५
	B.A.II ( A+B) साहित्यरंग भाग -०२	गद्य - पाठ - ५ पद्य -कविता - ४, ५
	B.A.III - साहित्यसंवाद भाग -०३	गद्य - पाठ - ५ पद्य - कविता - ४, ५

Semester II <sup>nd</sup> , IV <sup>th</sup> , VI <sup>th</sup> (Compulsory Marathi)		
Months	Class/ Semester	Topic to be Coverd
January 2022	B.A.I ( A+B) साहित्यरंग भाग -०१	गद्य - पाठ -१ पद्य - कविता - १
	B.A.II ( A+B) साहित्यरंग भाग -०२	गद्य - पाठ -१ पद्य - कविता - १
	B.A.III - साहित्यसंवाद भाग -०३	गद्य - पाठ -६ पद्य - कविता -६
February 2022	B.A.I ( A+B) साहित्यरंग भाग -०१	गद्य - पाठ -२ पद्य - कविता -२
	B.A.II ( A+B) साहित्यरंग भाग -०२	गद्य - पाठ -२ पद्य - कविता -२
	B.A.III - साहित्यसंवाद भाग -०३	गद्य - पाठ -२ पद्य - कविता -२
March 2022	B.A.I ( A+B) साहित्यरंग भाग -०१	गद्य - पाठ -३ व्यावहारिक मराठी पाठ -१
	B.A.II ( A+B) साहित्यरंग भाग -०२	गद्य - पाठ-३ व्यावहारिक मराठी पाठ १
	B.A.III - साहित्यसंवाद भाग -०३	गद्य - पाठ - ८ व्यावहारिक मराठी पाठ -३
April 2022	B.A.I ( A+B) साहित्यरंग भाग -०१	गद्य - पाठ - ४ पद्य - कविता- ३
	B.A.II ( A+B) साहित्यरंग भाग -०२	गद्य - पाठ - ४ पद्य - कविता - ४
	B.A.III - साहित्यसंवाद भाग -०३	गद्य - पाठ - ९ पद्य - कविता - ९
May 2022	B.A.I ( A+B) साहित्यरंग भाग -०१	गद्य - पाठ - ५ पद्य - कविता - ४
	B.A.II ( A+B) साहित्यरंग भाग -०२	गद्य - पाठ -५ पद्य - कविता - ४
	B.A.III - साहित्यसंवाद भाग -०३	गद्य - पाठ - १० पद्य - कविता - ९
June 2022	B.A.I ( A+B) साहित्यरंग भाग -०१	पद्य - कविता - ५ व्यावहारिक मराठी पाठ - २
	B.A.II ( A+B) साहित्यरंग भाग -०२	पद्य -कविता -५ व्यावहारिक मराठी पाठ -२
	B.A.III - साहित्यसंवाद भाग -०३	पद्य -कविता - १० व्यावहारिक मराठी पाठ - ४

  
 डॉ. भारत कडवे  
 सहाय्यक प्राध्यापक  
 मराठी विभाग



## Department of Philosophy

Nabira Mahavidyalaya, Katol

### Teaching plan

Session : 2021-22

Month	Class	Paper	Topic
July	BA Sem.I	Ethics	भारतीय नीतिशास्त्राचे स्वरूप व त्याचा कृषिक विकास
	BA Sem.III	logic	न्यायदर्शनाचे अनुमान स्वरूप
	BAIII	Phil	शांखा दर्शन
August	BA Sem.I	Ethics	धर्माचे स्वरूप, कर्माचा सिद्धांत, निष्काम कर्मयोग
	BA Sem.III	logic	बौद्धांचे अनुमान स्वरूप
	BAIII	Phil	वेदान्त दर्शन
September	BA Sem.I	Ethics	बौद्धनिति, योगनिति
	BA Sem.III	logic	जैनांचे अनुमान स्वरूप
	BAIII	Phil	वैशेषिक दर्शन
Oct-Nov	BA Sem.I	Ethics	जैननिति, पुरुषार्थ
	BA Sem.III	logic	हेत्वाभासाचे स्वरूप
	BAIII	Phil	ईश्वर अस्तित्व
December	BA Sem.II	Ethics	पाश्चात्य नीतिशास्त्राचे स्वरूप नीती निर्णयाचा विषय
	BA Sem.IV	logic	सांकेतिक तर्कशास्त्राचे स्वरूप
	BAIII	Phil	दृव्याचे स्वरूप
January	BA Sem.II	Ethics	सुखवाद: मानसशास्त्रीय व नीतिशास्त्रीय उपयुक्ततावाद
	BA Sem.IV	logic	पारंपारिक तर्कशास्त्राचे स्वरूप
	BAIII	Phil	ज्ञानमीमांसा, बुद्धिवाद, अनुभववाद, कल्पनाववाद
February	BA Sem.II	Ethics	बुद्धिवाद, शिक्षेचा सिद्धांत.
	BA Sem.IV	logic	विधान चौरस, परिवर्तन व प्रतिवर्तन
	BAIII	Phil	ऑरिस्टाटलची कारणता, अर्थापत्ति, अनुपलब्धि
March	BA Sem.II	Ethics	अधिनितिशास्त्र, उपयोजित नीतिशास्त्र
	BA Sem.IV	logic	तर्कदोष
	BAIII	Phil	प्राणायामवाद: स्वता व परता

*July*  
(Dr. B. P. Walondre)  
**Dr. B. P. WALONDRE**  
Associate Professor & Head  
Dept. of Philosophy, N.M.V. KATOL

1.1.1

## TIME TABLE

Name of the Teacher : Dr. B. P. Walondre Subject Philosophy

From : 2021

To 2022

Period	1	2	3	4	5	6	7	8
Duration	8-00 8-48	8-48 9-36	9-46 10-28	10-28 11-16	11-20 12-08			
MON	-	-	I	II				
TUE	III	-	-	I				
WED	IV	-	-	II	I			
THU	III	-	-	II				
FRI	III	-	I	II				
SAT	III	-	I	II				

**Dr. B. P. WALONDRE**  
 Associate Professor & Head  
 Dept. of Philosophy N.M.V. KATOJ

*(Signature)*  
 Dr. B. P. Walondre

1-11

# Nabira Mahavidyalaya, Katol

Department of Philosophy

Session: 21-22

कृती आराखडा

(Action Plan)

1. ऑनलाईन द्वारे तज्ञांचे व्याख्यान आयोजित करण्यात येईल.
2. ऑनलाईन वेबिनार आयोजित करण्यात येईल.
3. विद्यार्थ्यांकरिता प्रोत्साहन पर पोस्टर गतीविधी घेण्यात येईल.
4. धार्मिक तसेच प्रेक्षणीय स्थळांना भेटी देण्यात येतील.
5. ऑनलाईन वस्तुनिष्ठ प्रश्न संचावर चर्चा आयोजित करण्यात येईल.



तत्त्वज्ञान विभाग प्रमुख  
नबीरा महाविद्यालय, काटोल

**Dr. B. P. WALONDRE**  
Associate Professor & Head  
Dept. of Philosophy, N.M.V. KATOL

NABIRA MAHAVIDYALAYA KATOL DIST-NAGPUR

Time Table for the Faculty of Humanities 2022-23

Day	Time & Class	1	2	3	4	5	6	
MON	B.A.I - A	8.00 to 8.48 MLT(RRP) ELT (PVS)	8.48 to 9.36 HIS (RRD)	9.40 to 10.28 ENG (MDL)	10.28 to 11.16 POL (HYK)/ H.ECO (DDG)	11.16 to 11.20	11.20 to 12.08 MAR (BSK)	12.08 to 12.56 H-ECO Pract
	B.A.I - B	MAR (BSK)	HIS (RRD)	POL (HYK)	ENG (TUT)		ENG (MDL)	
	B.A.II - A	ECO/PHI (BPW)	ENG (YPB)	MLT(RRP)ELT (PVS)	MAR (BSK)		HIS (RRD)	ELT (PVS)
	B.A.II - B	ECO/PHI (BPW)	POL (HYK)	MLT(RRP)	ENG (YPB)		HIS (RRD)	
	B.A.III - A	ENG(TUT)	ECO/PHI (BPW)	MAR (BSK)	MLT(RRP) ELT (SKN)			
	B.A.III - B	POL (HYK)	ECO/PHI (BPW)	ENG (TUT)	ENG (PKT)		POL (HYK)	ECO/PHI (BPW)
	B.A.I - A	MLT(RRP)ELT (PVS)	HIS (RRD)	POL (HYK)/H.ECO (DDG)	MAR (BSK)		ENG (MDL)	ECO/PHI (BPW)
	B.A.I - B	MAR (BSK)	HIS (RRD)	ENG (MDL)	ENG (TUT)			ECO/PHI (BPW)
	B.A.II - A	ECO/PHI (BPW)	ENG (YPB)	MLT(RRP) ELT (PVS)	POL (HYK)/ H.ECO (DDG)		HIS (RRD)	
	B.A.II - B	ECO/PHI (BPW)	POL (HYK)	MLT(RRP)	ENG (YPB)		HIS (RRD)	
TUE	B.A.II - A	HIS (RRD)	MAR (BSK)	ECO/PHI (BPW)	MLT(RRP) ELT (SKN)		POL (HYK) H.ECO (DDG)	H-ECO Pract
	B.A.II - B	HIS (RRD)	MAR(RRP)	ECO/PHI (BPW)	ENG (PKT)		POL (HYK)	
	B.A.I - A	MLT(RRP) ELT (PVS)	ENG (MDL)	HIS (RRD)	ECO/PHI (BPW)		ECO/PHI (BPW)	
	B.A.I - B	POL (HYK)	MAR (BSK)	HIS (RRD)	ECO/PHI (BPW)		ECO/PHI (BPW)	
WED	B.A.II - A	ECO/PHI (BPW)	ENG (YPB)	MLT(RRP) ELT (PVS)	HIS (RRD)		POL (HYK) H.ECO (DDG)	H-ECO Pract
	B.A.II - B	ECO/PHI (BPW)	ENG (TUT)	MLT(RRP)	HIS (RRD)		POL (HYK) H.ECO (DDG)	
	B.A.III - A	HIS (RRD)	MAR (BSK)	ECO/PHI (BPW)	MLT(RRP) ELT (SKN)		ENG (PVS)	
	B.A.III - B	HIS (RRD)	MAR(RRP)	ECO/PHI (BPW)	ENG (PKT)		MAR(RRP)	
THU	B.A.I - A	MLT(RRP) ELT (PVS)	HIS (RRD)	POL (HYK) / H.ECO (DDG)	MAR (BSK)		ECO/PHI (BPW)	
	B.A.I - B	MAR (BSK)	HIS (RRD)	ENG (MDL)	POL (HYK)		ECO/PHI (BPW)	
	B.A.II - A	ECO/PHI (BPW)	ENG (YPB)	MLT(RRP) ELT (PVS)	HIS (RRD)		POL (HYK) H.ECO (DDG)	H-ECO Pract
	B.A.II - B	ECO/PHI (BPW)	MAR (BSK)	MLT(RRP)	HIS (RRD)		POL (HYK) H.ECO (DDG)	
	B.A.III - A	HIS (RRD)	ECO/PHI (BPW)	MAR (BSK)	MLT(RRP) ELT (SKN)		ENG (PVS)	
	B.A.III - B	HIS (RRD)	ECO/PHI (BPW)	ENG (PKT)	MLT(RRP)		MAR (RRP)	
FRI	B.A.I - A	MLT(RRP) ELT (PVS)	HIS (RRD)	MLT(RRP) ELT (PVS)	ECO/PHI (BPW)		H-ECO Pract	
	B.A.I - B	POL (HYK)	HIS (RRD)	ENG (MDL)	ECO/PHI (BPW)		H-ECO Pract	
	B.A.II - A	ECO/PHI (BPW)	MAR (BSK)	MLT(RRP) ELT (PVS)	HIS (RRD)		H-ECO Pract	
	B.A.II - B	ECO/PHI (BPW)	ENG (YPB)	MLT(RRP)	HIS (RRD)		H-ECO Pract	
SAT	B.A.II - A	HIS (RRD)	ECO/PHI (BPW)	HIS (RRD)	MLT (RRP) ELT (SKN)		POL (HYK) H.ECO (DDG)	
	B.A.II - B	HIS (RRD)	ECO/PHI (BPW)	HIS (RRD)	ENG (TUT)		POL (HYK) H.ECO (DDG)	
	B.A.I - A	ECO/PHI (BPW)	HIS (RRD)	ECO/PHI (BPW)	ENG (MDL)			ELT (PVS)
	B.A.I - B	ECO/PHI (BPW)	HIS (RRD)	ECO/PHI (BPW)	ENG (TUT)			H-ECO Pract
	B.A.II - A	MAR (BSK)	POL (HYK) / H.ECO (DDG)	HIS (RRD)	MAR (BSK)			H-ECO Pract
	B.A.II - B	POL (HYK)	MAR (BSK)	POL (HYK) H.ECO (DDG)	ENG (TUT)			H-ECO Pract

R E C E S S I N

R E C E S S I N

R E C E S S I N

R E C E S S I N

*[Signature]*

Coordinator  
Time table Committee

Principal  
Nabira Mahavidyalaya, Katol

OM



# NABIRA MAHAVIDYALAYA KATOL

(M.A. HISTORY PART - I & II)

TIME TABLE 2021-2022 (2021-2022)

M.A PART - I

DAY	1	2	BREAK	3
	8.00 TO 9.00	9.00 TO 10.00	10.00 TO 10.15	10.15 TO 11.15
MON.	Behniya - II	Dodke - I	Break	Behniya - IV
TUE.	Behniya - II	Dodke - I		Behniya - IV
WED.	Behniya - II	Dodke - I		Bhakte - III
THU.	Behniya - II	Dodke - I		Bhakte - III
FRI.	Behniya - IV	Bhakte - III		-
SAT.	Behniya - IV	Bhakte - III		-

M.A PART - II

DAY	1	2	BREAK	3
	8.00 TO 9.00	9.00 TO 10.00	10.00 TO 10.15	10.15 TO 11.15
MON.	Kalambe - II	Behniya - III	Break	Dodke - IV
TUE.	Kalambe - II	Behniya - III		Dodke - IV
WED.	Kalambe - II	Behniya - III		Behniya - I
THU.	Kalambe - II	Behniya - III		Behniya - I
FRI.	Dodke - IV	Behniya - I		-
SAT.	Dodke - IV	Behniya - I		-

M.A. I - Papers (Sem - I)

- I - Historiography
- II - India Under Company Rule
- III - Indian National Movement
- IV - Modern World

M.A. II - Papers (Sem - III)

- I - Emergence of Maratha Power in 17<sup>th</sup> Century
- II - State in Ancient and Medieval India
- III - Economic History Of India
- IV - History of Medieval Vidharbha

Workload

- 1) Mr. S.B. Behniya = 16
- 2) Mr. M.R. Dodke = 08
- 3) Mr. S.V. Kalambe = 04
- 4) Mr. A.N. Bhakte = 04

Dr. R. R. DHOTE

H.O.D. Department of History  
Nabira Mahavidyalaya, KATOL

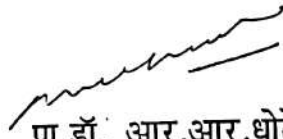
Dr. R. R. DHOTE

H.O.D. Department of History  
Nabira Mahavidyalaya, KATOL

इतिहास विभाग  
नबीरा महाविद्यालय, काटोल

कृती आराखडा  
(ACTION PLAN)  
शैक्षणिक सत्र : 2021-22

- थोर पुढा-यांची जयंती व पुण्यतीथी साजरी करणे.
- एखादया विषयावर गटचर्चा घेण्यात येईल
- आभासी वर्गाचे आयोजन करून चर्चासत्र/परिसंवाद आयोजित करणे.
- विषय तज्ञांचे व्याख्यान आयोजित करण्यात येईल
- विषयांशी संबंधित स्थळांना भेटी देण्यात येईल
- विद्यार्थ्यांमध्ये विषयांची आवड निर्माण होण्यासाठी ऐतिहासिक सहलिचे आयोजन करणे.
- जागतिक व भारताच्या नकाशासंबधी चर्चा करणे

  
प्रा.डॉ. आर.आर.धोटे  
इतिहास विभागप्रमुख

Dr. R. R. DHOTE  
H.O.D. Department of History  
Nabira Mahavidyalaya, KATOL

नबीरा महाविद्यालय काटोल जि. नागपूर

एम.ए. इतिहास विभाग

कृति आराखडा

सत्र २०२१ - २०२२

- १) नवप्रवेशितांचा स्वागत समारंभ (एम.ए.भाग १)
- २) डॉ. सर्वपल्ली राधाकृष्णन जयंती (शिक्षक दिन)
- ३) महात्मा गांधी जयंती (स्वच्छता अभियान)
- ४) विद्यार्थी सेमिनार (एम.ए.भाग १ व २)
- ५) सावित्रीबाई फुले जयंती
- ६) अतिथी व्याख्यान
- ७) छत्रपती शिवाजी महाराज जयंती
- ८) स्पर्धा परिक्षा मार्गदर्शन
- ९) विद्यार्थी सेमिनार (एम.ए.भाग १ व २)
- १०) ऐतिहासिक शैक्षणिक सहल
- ११) डॉ. बाबासाहेब आंबेडकर जयंती
- १२) निरोप समारंभ कार्यक्रम (एम.ए.भाग २)



Dr. R. R. DHOTE  
H.O.D. Department of History  
Nabira Mahavidyalaya, KATOL

# DEPARTMENT OF HISTORY (PG)


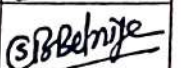

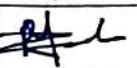


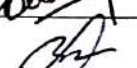

Nabira Mahavidyalaya Katol

## Report

### Completion of Syllabus

( Session - 2021 - 2022 )

Date - 30/04/2022

Sr.No	Name of the Teacher	Subject/Paper	Class	% of Syllabus Completed	Signature
1	Mr. S.B. Behniye	II) IUBR	M.A.I	90%	
		III) EHI	M.A.II	95%	
2	Mr. M.R. Dodke	I) HISTO.	M.A.I	80%	
		IV) MV	M.A.II	90%	
3	Mr. S.V. Kalambe	IV) C/W	M.A.I	95%	
		II) SBI	M.A.II	85%	
4	Mr. A.N. Bhakte	III) INM	M.A.I	75%	
		I) EMP	M.A.II	80%	

  
Dr. R. R. Dhote

30/04/2022

  
Dr. R. R. DHOTE

H.O.D. Department of History  
Nabira Mahavidyalaya, KATOL

NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN - ~~2020-21~~ 2021-22

To be submitted to the Teacher Appraisal Committee

Name of the Teacher : Dr. R.R. Dhote

Dept. : His

Subject/Paper :

Class : B.A. I sem  
II sem

B.A I sem Month

भारताचा इतिहास

Topics to be covered

June

\* हरप्पा संस्कृती, वैदिक संस्कृती

July

\* जैन धर्म, बौद्ध धर्म  
इत्येक सिद्धांत

August

\* चंद्रगुप्त मौर्य, प्रशासन

September

सम्राट अशोक, कामगिरी व धम्म  
गुप्त साम्राज्य - चंद्रगुप्त पहिला, समुद्रगुप्त

October

\* चंद्रगुप्त विक्रमादित्य, काकाटक साम्राज्य  
अत्तमडा, कल्हन, अ. वि. लोणी

November

\* मं. तुघलक, फिरोज तुघलक, सुफी पंथ,  
अक्बी चव्चव, मुल्तानशाही स्थापत्यकला

II sem  
December

मोगल सत्तेची स्थापना

January

\* बाबर, इब्राहिम, अकबर धार्मिक धोरण,  
मनसुवदाही प्रथा

February

\* शाहजहान - कारसाबुद्ध, औरंगजेब, हे. धोरण, क  
आणि स्थापत्यकला

March

\* श. शिवाजी - दरकवनी सत्ता आणि मुघल  
दिकाजी राज्याभिलेख आणि प्रशासन, श. संभोज

\* मराठो स्वातंत्र्य संग्राम - झाडू  
पानिपत - तिसरे युद्ध

ई. स. इतिहास - मु. नि. स्थापना

H.O.D. Department of History  
DR. R. R. DHOTE

Signature

R. R. Dhote

NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN - ~~2021-22~~ 2021-22

To be submitted to the Teacher Appraisal Committee

Name of the Teacher : Dr. R. R. Dhote

Dept. : His,

Subject/Paper :

Class : B.A.II &

B.A. III sem  
Month

भारताचा इतिहास

IV sem

Topics to be covered

June

\* मंगलारकी लढाई, अख्तराबादचा तह  
रॉयटी क्लॉईव्ह, दुहेरी शासन व्यवस्था

July

\* कायमधार, पद्धती, रथतवाही, महाद्वारी पद्धत  
कृषीचे व्यापारीकरण

August

\* लॉर्ड वेल्सली - सैन्यी फौज, वैदिक अंतर्गत  
सुधारणा, लॉर्ड उल्होसी

September

\* १८५७ चा उठाव कारण परिणाम, ब्राह्मोसमज  
प्रार्थना समाज, आर्य समाज, सत्यशाोधक समाज  
वंचित वर्गाची चळवळ

October

\* लॉर्ड लिटन प्रशासन, लॉर्ड रिपन  
भारतीय राष्ट्रवादाचा उदय

November

\*

B.A. IV sem

December

\* भारतीय राष्ट्रीय काँग्रेसची स्थापना  
महाकाँग्रेस, जहागिराचा उदय

January

\* असहकार चळवळ, सविनय कायदेअंगण चळवळ,  
चळवळ चळवळ

February

\* राष्ट्रीय स्वयंसेवक संघ, क्रिप्स मिशन,  
कॅम्बिनेट मिशन

March

\* सुभाषचंद्र बोस आझाद हिंद फौज  
भाडुएवॅटन योजना  
स्वतंत्र भारताचा कायदा

Dr. R. R. DHOTE

H.O.D. Department of History  
Nabira Mahavidyalaya, KATOL

  
Signature

Dr. R. R. Dhote

NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN - ~~2020-21~~ 2021-22

To be submitted to the Teacher Appraisal Committee

Name of the Teacher : Dr. R. R. Dhote

Dept. : HIS

Subject/Paper :

Class : B.A. V<sup>th</sup> sem  
& VI<sup>th</sup> sem

B.A. V<sup>th</sup> sem

आधुनिक जग

Month

Topics to be covered

June

\* फ्रेंच राज्यक्रांती  
आशिया व आफ्रिकेतील युरोपीय वसाहतवादी  
साम्राज्यवादाची कारणे व परिणाम -

July

\* चीन-जपान युद्ध (1894-95)  
रशिया-जपान युद्ध (1904-05)

August

\* चीन मधील क्रांती 1911  
विल्सॉन व कॅवेलियम दुसरा, परराष्ट्रधोरण  
प्रथम महायुद्ध कारणे, परिणाम

September

\* व्हर्सायचा तह  
राष्ट्रसंघ रचना

October

\* राष्ट्रसंघ यज्ञापयज्ञ  
1917 - रशियन क्रांती,

November

\* आधुनिक जग

VI sem

December

\* सोव्हियत रशिया पंचवाषीक योजना.  
व्हिन्स्टन - परराष्ट्र धोरण, मुसोलिनी

January

\* चीन जपान युद्ध 1937-39  
द्वितीय महायुद्धाची कारणे, संयुक्त राष्ट्रसंघ

February

\* शीत युद्ध, NATO, SEATO, कामकारार  
आशियाचे निर्वसारीकरण

March

\* इस्रायलची स्थापना  
अखिलवादी धोरण  
सुवेझ प्रश्न.

Dr. R. R. DHOTE  
H.O.D. Department of History  
Nabira Mahavidyalaya, KATOL

Signature  
Dr. R. R. Dhote

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN - 2021-2022**  
 To be submitted to the Teacher Appraisal Committee.

Name of the Teacher : Shiocharan B. Behniye Dept : M.A. History  
 Subject/Paper : III<sup>rd</sup> sem. Eco. His. of. India. 1757-1857 Class : M.A. II - III<sup>rd</sup> & IV<sup>th</sup> sem.  
IV<sup>th</sup> sem. Eco. His. of. India. 1858-1947

Months	Topic to be covered
June :	—
July :	—
August :	← <u>Admission</u> →
September :	<u>III<sup>rd</sup> sem. paper III<sup>rd</sup> Economic History of India. (1757-1857)</u>
October :	<u>Unit No. 1</u> ) a) Nature of Rural and Urban Economy - mid. 18 <sup>th</sup> cen. b) European Econo. Interest. in India. c) commercial policy of East India. company.
November :	<u>Unit No. 2</u> ) a) Land Revenue settlement - permanent, permanent, Ryotwari and Mahalwari settlement. (b) Rural Indebtedness. (c) Commercialisation of Agriculture.
December :	← <u>Diwali - Vacation</u> →
January :	<u>Unit No. 3</u> (a) policy of De-Industrialisation (b) Introduction of Railways and its Impact of Indian Economy. c) Foreign capital Invest. in Ind.
February :	<u>Unit No. 4</u> :- (a) changing and Nature of Trade. (b) Effect of company's Rule Indian Agriculture & Industry. * <u>IV<sup>th</sup> sem. Economic History of India (1858-1947).</u>
March :	<u>Unit 1</u> (a) Agricultural policy. (b) Famine policy (c) Growth of Industries. cotton, Jute, Iron & steel. <u>Unit No. 2</u> (a) Rise of Industrial labour. (b) Trade union movement. (c) Labour Legislations.
April :	<u>Unit No. 3</u> (a) Nature of External Trade (b) Trade Legislations. (c) Drain of wealth. <u>Unit No. 4</u> (a) Main Trends in the movement of prices. (b) Population growth - pre & post. (c) movement of National Income After 1858.
May :	—

Dr. R. R. DHOTE  
 H.O.D. Department of History  
 Nabira Mahavidyalaya, KATOL

S. Behniye  
 Signature  
 (Shiocharan B. Behniye)



NABIRA MAHAVIDYALAYA, KATOL  
 PROFORMA OF TEACHING PLAN - 2021-2022  
 To be submitted to the Teacher Appraisal Committee.

Name of the Teacher : shiocharan B. Behniye Dept : M.A. History  
 Subject/Paper : Ist sem. Ind. Under Com. Rule. Class : M.A. His. I & II sem.  
II<sup>nd</sup> sem. Ind. Under British Rule.

Months

Topic to be covered

June :

July :

August :

September : Ist sem. II<sup>nd</sup> paper :- India Under company's Rule (1757-1856)  
Unit No. 1 (a) India in mid-18 century. (b) Battles of Plassy and Buxar (c) Anglo Maratha wars, Anglo Sikh wars

October : Unit No. 2 (a) subsidiary Alliance system.  
 (b) Policy of Annexation of Indian states.

November : ← Diwali Vacation →  
 (c) Doctrine of Laps.

December : Unit No. 3 (a) Regulating Act of 1773 (b) Pitt's India Act of 1784 (c) Charter Acts - 1813, 1833, 1853.

January : Unit No. 4 (a) Introduction of western Education (b) Raja Ram Mohan Ray; Brahma. samaj (c) Development of Eng. and Vernacular press.

February : II<sup>nd</sup> sem. II<sup>nd</sup> paper. India Under British Rule. 1857-1905  
Unit No. 1 (a) Revolts of 1857 - Nature, causes & Effect.  
 (b) Queen's Proclamation Act-1858 (c) India Council Act 1861, 1892

March : Unit No. 2 (a) Arya samaj (b) Satyashodhak samaj (c) Ram-Krishna mission.

April : Unit No. 3 : (a) Emergence of. Indi. Nationalism. (b) Foundation of National congress (c) Objectives and Program. cong.  
Unit No. 4 : (a) Ideology of the moderates (b) Rise of Extremist Leadership. (c) Partition of Bengal.

May :

Dr. R. R. DHOTE  
 H.O.D. Department of History  
 Nabira Mahavidyalaya, KATOL

Shiocharan B. Behniye  
 Signature

( Shiocharan B. Behniye )

NABIRA MAHAVIDYALAYA, KATOL  
PROFORMA OF TEACHING PLAN - 2021-2022  
To be submitted to the Teacher Appraisal Committee.

Name of the Teacher : Yogesh Y. Kinkar Dept : M.A. History  
Subject/Paper : III sem History of Modern Class : M.A. II (History)  
Months : vidardha Topic to be covered

June :

July :

August : unit no - 4

September (A) Accession of Raghavi III

October (B) Annexation of Nagpur

November (C) Nagpur during the revolt of 1857  
(Diwali Vacation)

December :

Paper - 4 Sem - IV Unit - IV

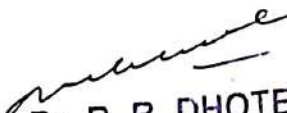
January (A) Social Welfare activities - missionary work, matru seva sangh, Anandvan.

February : Gurudev seva mandal

March : (B) Rashtriya Swayam Sevak Sangh

April (C) Dhamma Chakra Pravartan

May :

  
Dr. R. R. DHOTE  
H.O.D. Department of History  
Nabira Mahavidyalaya, KATOL

  
Signature

(Yogesh Y. Kinkar)

NABIRA MAHAVIDYALAYA, KATOL  
 PROFORMA OF TEACHING PLAN - 2021-2022  
 To be submitted to the Teacher Appraisal Committee.

Name of the Teacher : Yogesh Y. Kinkar Dept : M.A. History  
 Subject/Paper : I sem mordan world Class : M.A. History

Months 1914-1950 Topic to be covered

June :

July :

August :

unit - 3

September: (A) Rise of Nazism in Germany

October (B) Fascism in Italy

November: (C) Militarism in Japan  
 (Diwali Vacation)

December :  
 Paper IV II sem


January : contemporary world - 1950 - 2000  
 (A) Formation of European Union

February (B) Rise of Unipolar world

March : (C) Globalization

April :

May :

  
 Dr. R. R. DHOTE  
 H.O.D. Department of History  
 Nabira Mahavidyalaya, KATOL

  
 Signature

(Yogesh Y. Kinkar)

(... ..)

IV sem.

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NABIRA MAHAVIDYALAYA, KATOL  
 PROFORMA OF TEACHING PLAN - 2021-2022  
 To be submitted to the Teacher Appraisal Committee.

Name of the Teacher : Mangesh L. Dodke Dept : M. A. History  
 Subject/Paper : Sem III) History of Medieval Vidarbha Class : III<sup>rd</sup> & IV<sup>th</sup> sem  
Sem IV) History of Modern Vidarbha

Months

Topic to be covered

IV  
sem.

June : —

July : —

August : III Sem IV Paper - History of Medieval Vidarbha

September : Unit-1 - a) Emergence of Gond power

- b) Gond Dynasty of Chandrapur
- c) Gond Dynasty of Dergad

October : Unit-2 - a) Establishment of Ghosle Rule

- b) Raghuj-1

November :

← Diwali Vacation →

December : a) Janoji - Relation with the Peshwa, Nizam

Unit-3 - a) Mudhoji - Relations with the Peshwa, Nizam and the English

- b) Raghuj-11 - Relation with the English
- c) Appasaheb Ghosle - War with the English

January :

February : Sem IV - Paper II - History of Modern Vidarbha  
Unit-1 - a) Formation and Administration of Central Provinces and Berar

March :

- b) Sarva Janik Sabha, Gorakshan Sabha, Educational Institutions
- c) Congress Session - 1891, 1897, 1920

April

Unit-2 - a) Non Cooperation Movement - Civil Disobedience Movement. b) Quit India Movement - Ashti, Chikur, Yawli c) First Congress Ministry Under N.B. Khare

May

Unit-3 - a) Separate Vidarbha Movement b) Dalit Movement c) Samyukta Maharashtra Movement

Signature

M. R. Dodke

Dr. R. R. DHOTE  
 H.O.D. Department of History  
 Nabira Mahavidyalaya, KATOL

NABIRA MAHAVIDYALAYA, KATOL  
 PROFORMA OF TEACHING PLAN - 2021-2022  
 To be submitted to the Teacher Appraisal Committee.

Name of the Teacher : Mangesh R. Dodke Dept : M.A. History  
 Subject/Paper : I sem. Historiography Class : M.A.His. I & II Sem  
II sem. Trends and Theories of History

Months

Topic to be covered

IV  
em.

June : —

July : —

August :

I<sup>st</sup> sem - I<sup>st</sup> Paper - Historiography

September : Unit-1 a) Meaning of Historiography, Nature and Scope of History

1857  
em.

October : b) Auxiliary sciences of History  
 c) Primary and secondary sources

November : Unit-2 a) Collection and selection of Data  
 b) Internal and External criticism

December :

← Diwali Vacation →  
 c) causation, Foot Notes, Bibliography

December : Unit-3 a) Greco-Roman History Writing

2  
d.

January : b) Arabian History Writing  
 c) Indian History Writing - Sultanate Mughal

February : Unit-4 a) <sup>Marathel</sup> Positivism in History Writing b) Classical  
 Marxism c) Annales

3  
e.

February : II<sup>nd</sup> sem - I<sup>st</sup> Paper - Trends and Theories of History  
Unit-1 a) Orientalist History Writing b) Imperialist  
 History Writing c) Nationalist History Writing

March : Unit-2 a) Marxist History Writing b) Subaltern  
 c) Post-Modern

April : Unit-3 a) Cyclical Theory of History b) Sociological  
 c) Ecological

April : Unit-4 a) R.G. Collingwood, E.H. Carr, Will Durant  
 b) V.K. Rajwade, J.N. Sarkar, R.C. Dutt

May :

Dr. R. R. DHOTE  
 H.O.D. Department of History  
 Nabira Mahavidyalaya, KATOL

M. R. Dodke  
 Signature  
 M. R. Dodke

NABIRA MAHAVIDYALAYA, KATOL  
 PROFORMA OF TEACHING PLAN - 2021-2022  
 To be submitted to the Teacher Appraisal Committee.

Name of the Teacher Mr. Shishir V. Kalambe Dept: History  
 Subject/Paper III-Sem - State in Ancient & Medieval India Class: II  
IV-Sem - State in British India M.A. II

Months

Topic to be covered

June :

July :

August :

III<sup>rd</sup> Semester - start from 8 September

- September: - Unit-1  
 - सोम महान्न पदवीपथी महिमी व राजधाव्या  
 - मौर्य कालीन सामाजिक, आर्थिक, व प्रशासन व्यवस्था
- October: - Unit-2  
 - गुप्त कालीन  
 - सोम साम्राज्या का मंगीरीचे मूल्यमापन  
 - विजयनगरच्या साम्राज्याच्या उदयाची व पतनाची कारणे
- November: - Unit-3  
 - रामपदाना सिद्धांत व धारणे बाहिरी  
 - 1410  
 - Divoli Vacation  
 - स्वातंत्र्याच्या आघोषाच्या खाली दिवली
- December: - Unit-4  
 - साम्राज्याच्या आगमनाच्या कालावधीत  
 - मिमांसा कालीन, चाक्र-केंद्र, मुसलीम राज्ये, मजबूती येथी ना
- January: - IV<sup>th</sup> Semester - Unit-1  
 - 1858 चा राजाजी साहिराजी व सरदारी
- February: - Unit-2  
 - ब्रिटीशांचे गुलामी प्रशासन  
 - व्यापारिक व्यवस्था व प्रशासन  
 - स्वराज्याची संकल्पना, व होमरूल चळवळीबाबत माहिती
- March: - Unit-3  
 - वैलानीचे साम्राज्य व संकल्पना  
 - मुस्लीम लीगच्या स्थापनेची कारणे व परिणाम
- April: - Unit-4  
 - 1857 ते 1921 कालीन ब्रिटीशांचे धोरण  
 - 1921 ते 1947  
 - भारतीय संघीयतेबाबतचे धोरण  
 - भारतीय राज्यघटनेची वैशिष्ट्ये  
 - भारतीय संघीयतेबाबतचे परिमितीची पारखेवृत्ती
- May: - 1955 चा राज्य पुनसंघटन कायदा व माहिती

Dr. R. R. DHOTE  
 H.O.D. Department of History  
 Nabira Mahavidyalaya, KATOL

Shishir Kalambe  
 Signature

(Shishir Kalambe)

NABIRA MAHAVIDYALAYA, KATOL  
 PROFORMA OF TEACHING PLAN - 2021-2022  
 To be submitted to the Teacher Appraisal Committee.

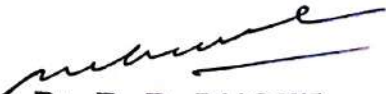
Name of the Teacher Mr. Shishir V. Kalambe Dept : History  
 Subject/Paper I-Sem - Modern World Class : M.A. History-I  
 II-Sem - Contemporary World  
 Months Topic to be covered

June :

July :

August : Ist. Semester - Start from 8 September 2021

- September : - Unit-1  
 पहिल्या महायुद्धाची कारणे व परिणाम  
 - दुसऱ्या महायुद्धाचा -14 कलमे व त्याचे मुख्य घटक  
 - राष्ट्रांच्या अपयशाची कारणे व स्थापना
- October : - Unit-2  
 - रशियन राज्यक्रांतीची कारणे व परिणाम  
 - रशियाच्या फेव्वाषिक योजना, चीनचे आगमन व खोरा
- November : 1 to 10 Diwali Vacation
- December : - Unit-4  
 - दुसऱ्या महायुद्धाची कारणे व परिणाम  
 - युद्धात रशियाच्या स्थापना व कार्यपद्धती  
 - युद्धातील संघर्ष व इस्त्राबल संघर्ष.
- January : II<sup>nd</sup> Semester  
 Unit-1 - तिसऱ्या महायुद्धाची कारणे व परिणाम  
 - कलनिजम तसेच वीषची माहिती  
 - मिश्रणीकरणेची कारणे व परिणाम
- February : Unit-2  
 - समाजवादाचा कथ व त्याचे प्रकार व रशिये  
 - समाजवादाच्या अपयशाची कारणे
- March : Unit-3 - रशियाच्या विघटनाची कारणे.  
 - बुल्गेव शाहील राष्ट्रीय आंदोलन
- April : - डॉ. सुफाणीयांचे कार्य  
 - देशभक्तीची समस्या व कारणे  
 - चीनचे आगमन व खोरा
- May : - चीनच्या फेव्वाषिक योजना.

  
 Dr. R. R. DHOTE  
 H.O.D. Department of History  
 Nabira Mahavidyalaya, KATOL

  
 Signature

(Shishir Kalambe.)

NABIRA MAHAVIDYALAYA, KATOL  
 PROFORMA OF TEACHING PLAN - 2021-2022  
 To be submitted to the Teacher Appraisal Committee.

Name of the Teacher : Avinash Narayanrao Bhakte  
 Subject/Paper : III<sup>rd</sup> sem: Emergence of Maratha power  
 IV<sup>th</sup> sem: Expansion of Maratha power  
 Dept: M.A History  
 Class: M.A II History

Months	Topic to be covered
June :	
July :	
August :	
September :	III <sup>rd</sup> sem Emergence of Maratha power 17 <sup>th</sup> century <u>Unit 1</u> (a) sources of Maratha history, Bakhar. Adnya Patra, shakvali (b) Rise of Marath (c) concept of Maharashtra pharma.
October :	<u>Unit 2</u> (a) Shivaji's Relations with Adil Shahi. (b) Shivaji Relations with the Mughals (c) Shi significance of Shivaji's coronation
November :	Diwali vacation
December :	<u>Unit 3</u> (a) Sambhaji's Relations with the Portugues (b) Sambhaji's Relations with the Siddhis of (c) Sambhaji's Relations with the Jamrae. Mughals
January :	<u>Unit 4</u> (a) The Maratha war of Independence (b) civil judicial administration (c) military and New Administration
February :	IV <sup>th</sup> sem: Expansion of Maratha power 1707-1911
March :	<u>Unit no. 1</u> (a) Accession of Shahy as Chhatrapati (b) Acquisition of Sindh by Balaji Vishwanath (c) Peshwa Balaji Bajirao Expansion of Maratha power North India
April :	<u>Unit 2</u> (a) Third Battle of Panipat (b) Peshwa Madhavrao I. Restoration Effects. (c) Anglo Maratha war Down Fall of the Maratha
May :	<u>Unit 3</u> (a) nature of Maratha Confederacy (b) civil and judicial Administrations. (c) Trade and commerce (d) Social and Economic Conditions (e) Art and Architecture

Avinash N. Bhakte  
 H.O.D. Department of History  
 Nabira Mahavidyalaya, Katol

Signature



**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN - 2021-2022**  
 To be submitted to the Teacher Appraisal Committee.

Name of the Teacher : Avinash Narayanrao Bhakte Dept : M. A. History  
 Subject/Paper : I<sup>st</sup> sem; Indian national movement Class : M. A I<sup>st</sup> History  
II<sup>nd</sup> : Independent India.

Months Topic to be covered

June :

July :

August :

I<sup>st</sup> sem: Indian National Movement 1905-1947

September: unit. 1 (a) Growth of National Movement 1905-1920

(b) Non-cooperation movement. Ideology & Program

October : (c) civil Disobedience movement

unit. 2 (a) Growth of Hindu & muslim communalism

November : (b) Revolutionary movements

(c) Round Table conferences Govt. of India act 1935

— Diwali Vacation —

December : unit 3 (a) Cripps mission and Quit India movement

(b) cabinet mission plan & Mountbatten plans

unit 4 (c) Indian Independent Act of 1947

January : (a) development of Education

(b) peasant movement

(c) working class movements.

February : II<sup>nd</sup> sem: Independent India; 1947-2001

(a) Integration of Indian princely states

(b) making of Indian constitution

(c) salient Features of Indian constitution

unit 2 (a) Beginning of Planned Economy

(b) Agricultural policy

(c) Industrial policy

unit 3 (a) policy of Non-Alignment

(b) Relations with U.S.S.R. china

(c) Relations U.S.A. Pakistan

unit 4 (a) National Political Party Congress

(b) Jansamrsh party ~~Signature~~

(c) challenges to territorial Integrity

Avinash N. Bhakte  
DR. R. R. DHOKE  
 H.O.D. Department of History  
 Nabira Mahavidyalaya, KATOL

Teacher wise Time Table

Session-2021-22

Name- DR. D. D. GHAGARGUNDE  
ECONOMICS

Sub- HOME-

Period	1	2	3	4	5	6	7
Duration	8.00-8.48	8.48-9.36	9.40-10.28	10.28-11.16	11.20-12.08	12.08-12.56	12.56-1.00
Mon	-----	-----	----	I	III	PRA	PRA
Tue	-----	----	I	II	III	PRA	PRA
Wed	-----	----	--	--	III	PRA	PRA
Thu	-----	----	I	---	III	PRA	PRA
Fri	----	I	III	---	--	PRA	PRA
sat	-----	II	III	PRA	PRA	PRA	PRA

PERIODS- theory ( 12 ), Practical (10) =Total 22

Signature of Teacher

डॉ. दमयंती घागरगुंडे  
गृह - अर्थशास्त्र  
विभाग प्रमुख  
नबीरा महाविद्यालय, काटोल




DEPARTMENT OF HOME-ECONOMICS

NABIRA MAHAVIDYALAYA KATOL

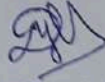
REPORT

COMPLETION OF SYLLABUS

SESSION 2021-22

Sr. no.	Name of Teacher	subject	class	% of syllabus completed	sign
1	Dr. D. D. GHAGARGUNDE	Home- Economics	B. A. I & II sem	100%	
2	Dr. D.D. GHAGARGUNDE	Home- Economics	B. A. II & IV sem	100%	
3	Dr. D.D. GHAGARGUNDE	Home- ECONOMICS	B. A. V & VI sem	100%	

DATE-23/04/2022

  
डॉ. दमयंती घागरगुंडे  
गृह - अर्थशास्त्र  
विभाग प्रमुख  
नबीरा महाविद्यालय, काटोल


**pNABIRA MAHAVIDYALAYA KATOL**  
**PROFARMA OF TEACHING PLAN (2021-22)**

Name Of the Teacher : Prof.Dr. Damyanti D. Ghagargunde

Dept.: Home-Economics

Month	Class	Subject/Paper	Topics to be covered
August 23/08/2021	B.A. Sem. V	Child-Development	<b>Unit I:a)</b> Meaning, definition, importance and scope of child-development. <b>b)Field of Child-Development</b>
September	B.A. Sem. I	F R M	<b>Unit I: a)Introduction of Home-Economics</b> <b>b)Branches of Home-Economics</b>
	B.A. Sem. III	Food & Nutrition	<b>Unit I:</b> Definition of Health, Nutrition, Food, Function of food etc.
	B.A. Sem. V	Child-Development	<b>Unit II:Genetic Inheritance-Prenatal development</b>
October	B.A Sem. I	F R M	<b>Unit II: a)Family Resource Management</b> <b>b)Decision Making.</b>
	B.A. Sem. III	Food & Nutrition	<b>Unit II:</b> Micro-Nutrients & Vitamins <b>Unit III:</b> Fibre, Energy ( calorie ), Antioxidants.
	B.A. V	Child-Development	<b>Unit III:</b> Post-natal period.
November Diwali Vaccation 01/11/21 To 10/11/21	B.A. Sem. I	F R M	<b>Unit III:a)Elements of Arts and Design</b> <b>b)Principles of Arts and Design</b>
	B.A. Sem. III	Food & Nutrition	<b>Unit IV:</b> Basic Food Group
	B.A. Sem.V	Child-Development	<b>Unit IV :</b> Immunization and its Importance.
Decembe winter vaccation 23/12/2021 To 02/01/2022	B.A. Sem. I	F R M	<b>Unit IV:Flower Arrangements</b>
	B.A. Sem. III	Food & Nutrition	<b>Unit IV: Methods of Cooking, Sports Nutrition</b>
	B.A. Sem.V	Child-Development	<b>Unit IV: Importance of Supplementary Food</b>
January 03/01/2022	B.SA Sem. II	F R M	<b>Unit I: a)</b> Self- Employment in Home-Economics
	B.A. Sem.IV	Food & Nutrition	<b>Unit I: a)</b> Balanced Diet <b>b) Nutrition through Life-Cycle</b>
	B.A. VI	Child-	<b>Unit I:</b> Early Childhood

		Development	
February	B.A. Sem. II	F R M	<b>Unit I: b)Family Housing Needs</b>
	B.A. Sem. IV	Food & Nutrition	<b>Unit II: Principles of Diet Therapy</b>
	B.A.Sem.VI	Child-Development	<b>Unit-II: Speech Development</b>
March	B.A. Sem. II	F R M	<b>Unit II: a)Work-Simplification b)Colour.</b>
	B.A. Sem. IV	Food & Nutrition	<b>Unit III: Food Spoilage, Food Poisoning,</b>
	B.A. Sem.VI	Child-Development	<b>Unit III: Social Developments.</b>
April	B.A. Sem. II	F R M	<b>Unit III: Consumer Education</b>
	B.A Sem. IV	Food & Nutrition	<b>Unit III: Food Preservation, Food Adultration.</b>
	B.A. Sem.VI	Child-Development	<b>Unit IV: Childhood Behavioural Problems.</b>
May 07/05/202 2	B. A. Sem II	F R M	<b>Unit IV: Furniture Arrangement.</b>
	B. A. Sem IV	Food & Nutrition	<b>Unit IV: Improving Nutritional Quality of Food.</b>
	B. A. Sem VI	Child-Development	<b>Unit IV: Agencies in the Field of Child Development.</b>

  
 डॉ. दमयंती घागरगुंडे  
 गृह - अर्थशास्त्र  
 विभाग प्रमुख  
 नबीरा महाविद्यालय, काटोल

## ACTION PLAN – 2021-22

### **DEPARTMENT OF COMMERCE**

NABIRA MAHAVIDYALAYA, KATOL.

The department finalized the following plan of action for the forthcoming session i.e. 2020-21.

1. Setting up the distribution of Subjects to be taught at grant-in-aid UG and PG level among all the six faculties.
2. All necessary steps will be taken to appoint the teachers to teach English medium B. Com. & M. Com. (non grant) classes.
3. All efforts will be taken to appoint at least one full time qualified faculty to teach non-grant classes.
4. Planned to promote ICT based teaching learning process.
5. Planned to organize “Trade Fair”.
6. Planned to organize Guest Lectures of eminent personalities.
7. Departmental activities like Bridge Course, Maza Warga Mitch Vakta, Student Seminars, etc. will be organized.
8. Planned to felicitate meritorious students.
9. Planned additional coaching to selected meritorious students as well as below average students.
10. Planned to update departmental library by purchasing new issues of journals & periodicals.
11. Department will motivate and guide the students of M.Com. for doing NET/SET.



Dr. G. K. Khorgade  
H.O.D. Commerce  
Nabira Mahavidyalaya, katol.

NABIRA MAHAVIDYALAYA, KATOL

*TEACHING PLAN – 2021-22*

Name of the Teacher : G. K. Khorgade Dept. : Commerce  
 Subject/Paper : Advanced Financial Accounting Class : M. Com. Sem.-I

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<b>Month</b>	<b>Topics to be covered</b>
August	<ul style="list-style-type: none"> <li>* Accounting Standards (Theory)</li> <li>* Computer Software Accounting (Theory)</li> <li>* Company Statutory Records (Theory)</li> <li>* New Trends in Accounting (Theory)</li> </ul> Inflation Accounting Human Resource Accounting Social Accounting Lease Financing
September	<ul style="list-style-type: none"> <li>* Fire Insurance Claims :                Loss of Stock                Loss of Profit</li> <li>* Hire Purchase Accounting :                Re-possession                Hire Purchase Stock and Debtors Method</li> </ul>
October	<ul style="list-style-type: none"> <li>* Internal and External Reconstruction of the Company</li> <li>* Amalgamation and Absorption of the Company</li> </ul>
November	<ul style="list-style-type: none"> <li>* Accounts of Holding Companies</li> </ul>

  
Signature

NABIRA MAHAVIDYALAYA, KATOL

TEACHING PLAN – 2021-22

Name of the Teacher : G. K. Khorgade Dept. : Commerce  
Subject/Paper : Advanced Management Account Class : M. Com. Sem.-III

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Month	Topics to be covered
August	<ul style="list-style-type: none"><li>* Meaning, Objectives, Functions, Importance of Management Accounting. (Theory)</li><li>* Tools of Management Accounting. (Theory)</li><li>* Fund Flow Analysis</li></ul>
September	<ul style="list-style-type: none"><li>* Cash Flow Analysis</li><li>* Break Even Analysis</li></ul>
October	<ul style="list-style-type: none"><li>* Marginal Costing (Decision Making)</li><li>* Ratio Analysis</li></ul>
November	<ul style="list-style-type: none"><li>* Budes: Flexible Budget Sales Budget Production Budget</li></ul>
December	<ul style="list-style-type: none"><li>* Preparation, Analysis and Interpretation of Financial Statements,</li><li>* Management Information System. (Theory)</li></ul>

  
Signature



NABIRA MAHAVIDYALAYA, KATOL

TEACHING PLAN – 2021-22

Name of the Teacher : G. K. Khorgade Dept. : Commerce  
Subject/Paper : Statistical Techniques (S/T) Class : M. Com. Sem.-III

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Month	Topics to be covered
August	* Interpolation & Extrapolation : Binomial Expansion Method Newton's Method Lagrange's Method
September	* Association of Attributes * Chi-Square Test
October	* Sampling & Test of Significance * Small Samples – 'T' Test * Analysis of Variance – 'F' Test
November	* Probability
December	* Statistical decision (Theory) * Statistical quality control (Theory)

  
Signature

NABIRA MAHAVIDYALAYA, KATOL

*TEACHING PLAN – 2021-22*

Name of the Teacher : G. K. Khorgade Dept. : Commerce  
Subject/Paper : SBM Class : B.Com.I-Sem.-II  
(Statistics and Business Mathematics)

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<b>Month</b>	<b>Topics to be covered</b>
January	* Descriptive Statistics * Statistical Data Collection * Presentation of Statistical Data
February	Statistical Averages: * Mean * Median * Mode * Geometric Mean * Harmonic Mean
March	Dispersions : * Quartile Deviation * Standard Deviation * Co-efficient of Variation
April	* Co-efficient of Skewness: Karl Pearson's Co-efficient of Skewness Bowley's Co-efficient of Skewness  * Business Mathematics: Ratio and Proportions Profit and Loss Percentages Simple and Compound Interest
May	* Revision

  
Signature

NABIRA MAHAVIDYALAYA, KATOL

TEACHING PLAN – 2021-22

Name of the Teacher : G. K. Khorgade Dept.: Commerce  
Subject/Paper : AS Class: B.Com.III-Sem-VI  
(Advanced Statistics)

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Month	Topics to be covered
January	* Correlation : Karl Pearson's Co-efficient of Correlation
February	* Correlation: Probable Error Limit of Correlation Testing Significance of Correlation Spearman's Rank Co-efficient of Correlation
March	* Time Series Analysis : Free Hand Method Semi Average Method Moving Average Method Least Square Method  * Regression Analysis
April	* Index Number : Unweighted Index Weighted Index Cost of Living Index Time Reversal Test Factor Reversal Test
May	* Revision

  
Signature

**NABIRA MAHAVIDYALAYA, KATOL**  
**TEACHING PLAN – 2021-22**

Name of the Teacher : G. K. Khorgade Dept. : Commerce  
Subject/Paper : Advanced Cost Accounting Class : M. Com. SEM-II

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<b>Month</b>	<b>Topics to be covered</b>
January	* Methods of Cost (Theory) * Cost Audit (Theory) * Cost Control, Cost Reduction, Control System and Reporting (Theory)
February	* Contract Costing : Profit on Complete & Incomplete Contract Contract running more than one year Two or more contracts running simultaneously Contract near to completion  * Machine Hour Rate
March	* Process Accounts : Abnormal loss and Abnormal gain Joint Product, Inter process profit Equivalent unit production
April	* Operating Costing : Transport services – Trucks, Buses, Taxies, etc. Cinema Halls, Hotels & Restaurants Electricity services  * Labour Hour Rate
May	* Variance Analysis : Material Variances Labour Variances Overhead Variances

  
Signature

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN – 2021-22**  
To be submitted to the Teacher Appraisal Committee

Name of the teacher : **Dr. R. G. Gongale** Dept. : Commerce  
Subject/Paper : **Business Organization** Class : **B.Com. SEM- 1<sup>st</sup>**

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<b>Month</b>	<b>Unit</b>	<b>Topics to be covered</b>
Aug.	Unit-I	Nature & Scope of Business
Sept.	Unit-II	Forms of Business Unit
Oct.	Unit-III	Organization
Nov.	Unit-IV	Recent Trends in Business Organization

**Subject/Paper : Business Management Class : B.Com. SEM- 2<sup>nd</sup>**

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<b>Month</b>	<b>Unit</b>	<b>Topics to be covered</b>
Jan.	Unit-I	Introduction of Management
Feb.	Unit-II	Planning & Decision Making
March.	Unit-III	Delegation of Authority
April.	Unit-III	Co-Ordination & Controlling
May.	Unit-IV	Recent Trends in Management

  
Signature of the teacher

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN – 2021-22**  
To be submitted to the Teacher Appraisal Committee

Name of the teacher : **Dr. R. G. Gongale** Dept. : Commerce  
Subject/Paper : **Financial Accounts-II** Class : **B.Com. SEM- 3<sup>rd</sup>**

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Month	Unit	Topics to be covered
Aug.	Unit-I	Issue of Shares
Sept.	Unit-II	Final A/C of Companies
Oct.	Unit-III	Branch Accounts
Nov. & Dec.	Unit-IV	Consignment Accounts

Subject/Paper : **Business Law** Class : **B.Com. SEM- 3<sup>rd</sup>**

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Month	Unit	Topics to be covered
Aug.	Unit-I	Business Laws The Sales of Goods Act,1930
Sept.	Unit-II	Indian Contract Act,1872 The Indian Partnership Act,1932
Oct.	Unit-III	Negotiable Instruments Act,1881 Prevention of money Laundering Act,2002
Nov. & Dec.	Unit-IV	The Consumer Protection Act,1986 Information Technology Act,2000 Cyber Laws



Signature of the teacher

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN – 2021-22**  
To be submitted to the Teacher Appraisal Committee

Name of the teacher : **Dr. R. G. Gongale** Dept. : Commerce  
Subject/Paper : **Financial Accounts-II** Class : **B.Com. SEM- 4<sup>th</sup>**

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<b>Month</b>	<b>Unit</b>	<b>Topics to be covered</b>
Jan.	Unit-I	Final Accounts of Banking Company
Feb.	Unit-II	Final Accounts of General Insurance Company
March.	Unit-III	Final Accounts of General Insurance Company Valuation of Goodwill
April.	Unit-III	Valuation of Goodwill Liquidation of Company
May.	Unit-IV	Liquidation of Company

Subject/Paper : **Income Tax** Class : **B.Com. SEM- 4<sup>th</sup>**

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<b>Month</b>	<b>Unit</b>	<b>Topics to be covered</b>
Jan.	Unit-I	Introduction of Income Tax Residential Status & Tax Slab
Feb.	Unit-II	Deduction U/S 80 C to 80 U Tax Free allowance & perquisites
March.	Unit-III	Income From Salary
April.	Unit-III	Income from House Property
May.	Unit-IV	Income from Other Sources



Signature of the teacher

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN – 2021-22**  
To be submitted to the Teacher Appraisal Committee

Name of the teacher : **Dr. R. G. Gongale**

Dept. : Commerce

Subject/Paper : **Company Law**

Class : **M. Com. 4<sup>th</sup> Sem.**

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<b>Month</b>	<b>Unit</b>	<b>Topics to be covered</b>
Jan.	Unit-I	<ul style="list-style-type: none"><li>• Introduction to Companies Act 2013.</li><li>• Formation of Companies</li><li>• Memorandum of Association</li><li>• Prospectus</li></ul>
Feb.	Unit-II	<ul style="list-style-type: none"><li>• Kinds of Share Capital</li><li>• Issue of Sweat Equity shares.</li><li>• Issue and redemption of preference shares,</li><li>• Registration of Charges including punishment for contravention.</li></ul>
March.	Unit-III	<ul style="list-style-type: none"><li>• Register of members</li><li>• Meetings of shareholders.</li><li>• Meetings of Board</li><li>Audit Committee, Powers of Board.</li></ul>
April.	Unit-III	<ul style="list-style-type: none"><li>• Loan to Directors, Loans and Investment by the Company, Related party Transaction.</li><li>• Appointment, Resignation and Removal of Auditors, Qualifications and Disqualification of auditors.</li></ul>
May	Unit-IV	<ul style="list-style-type: none"><li>• Appointment, Resignation and Removal of Directors,</li><li>• Appointment of Managing Director, Whole Time Director,</li><li>• Key Managerial Person, secretarial Audit, Functions of Company Secretary</li></ul>



Signature of the teacher



**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN – 2021-22**  
To be submitted to the Teacher Appraisal Committee

Name of the teacher : **Dr. R. G. Gongale** Dept. : Commerce  
Subject/Paper : **Auditing** Class : **B.Com. SEM- 5<sup>th</sup>**

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<b>Month</b>	<b>Unit</b>	<b>Topics to be covered</b>
Aug.	Unit-I	i) Audit, Auditing and Auditor ii) Internal Control and Internal Audit System
Sept	Unit-II	i) Audit Planning, Evidence Audit programme ii) Audit Documentation and Evidence
Oct.	Unit-III	i) Standard on Auditing ii) Vouching & Verification
Nov., & Dec.	Unit-IV	i) Company Auditor ii) Company Audit iii) Audit Report and Certificate

Signature of the teacher

**NABIRA MAHAVIDYALAYA, KATOL****PROFORMA OF TEACHING PLAN – 2021-22**

To be submitted to the Teacher Appraisal Committee

Name of the Teacher: Dr. Vaishali R. Ruikar

Dept.: Commerce

Month	Class	Subject	Topics to be covered
Aug.	B.Com. I Sem.	FAC	An Overview of Basic of Book-Keeping and Accountancy. Rules of Double Entry Account System. Preparation of Journal.
	B.Com. I Sem.	B/E	Nature and Scope of Business Economics.
	B.Com. V Sem.	I/E	Indian Economy & Planning .
	M.Com. SEM I	M/E	Nature and Scope of Managerial Economics, Micro and Macro Economic Analysis.
Sept.	B.Com. I Sem.	FAC	Preparation of Journal ,Cash Book, Trial Balance & Annual Accounts Of Sole Traders. Accounting Concepts & Conventions. . Hire purchase Accounts.
	B.Com. I Sem.	B/E	Theories of Consumption
	B.Com. V Sem.	I/E	Indian Economy & Policy .
	M.Com. SEM. I	M/E	Demand and Demand Analysis, Demand Forecasting, Theory of Production.
Oct.	B.Com. I Sem.	FAC	Accounting Standards: Introduction, Need & Objectives, AS I to AS 10, Accounting Policies and their Discloser. Joint Venture Accounts.
	B.Com. I Sem.	B/E	Theories Production Function.
	B.Com. V Sem.	I/E	Population & Unemployment.
	M.Com. SEM.I	M/E	Cost and Revenue Analysis, Market Structure Pricing Method and Policies
Nov.	B.Com. I Sem.	FAC	Accounts Co-operative Societies (Preparation of Cash book and Trading, Profit & Loss Accounts and Balance Sheet)
	B.Com. I Sem.	B/E	Theories of Cost and Revenue.
	B.Com. V Sem.	I/E	India's Public Finance.
	M.Com. SEM.I	M/E	Business Cycle, Inflation and Deflation, Monetary And Fiscal Policy, Sustainable Development, Consumption and Inclusive Growth.
Dec.	B.Com. I Sem.	FAC	Accounts Co-operative Societies (Preparation of Cash book and Trading, Profit & Loss Accounts and Balance Sheet)
	B.Com. I Sem.	B/E	Theories of Cost and Revenue.
	B.Com. V Sem.	I/E	India's Public Finance.
	M.Com. SEM.I	M/E	Business Cycle, Inflation and Deflation, Monetary And Fiscal Policy, Sustainable Development, Consumption and Inclusive Growth.

## Winter Vacation

Jan.	B.Com. II Sem. B.Com. VI Sem. B.Com. VI Sem. M.Com. II Sem.	B/E I/E HRM COP	Market Structure. Indian Agriculture. Introduction of Human Resource Management. Co.-Operation Meaning, Principle of Co-Operation optional Principle And Co. Operative Movement.
Feb.	B.Com. II Sem. B.Com. VI Sem. B.Com. VI Sem. M.Com. II Sem.	B/E I/E HRM COP	Perfect & Imperfect Competition Markets. Indian Industry. Recruitment Selection and Training. Co.-Operative Societies and Bank.
Mar.	B.Com. II Sem. B.Com. VI Sem. B.Com. VI Sem. M.Com. II Sem.	B/E I/E HRM COP	Perfect & Imperfect Competition Markets. Indian Service Sector. Labour Welfare and Collective Bargaining. Rural Development.
Apr.	B.Com. II Sem. B.Com. VI Sem. B.Com. VI Sem. M.Com. II Sem.	B/E I/E HRM COP	Theories of Distribution. Indian International Trade. Human Resource Planning and Accounting. Rural Entrepreneurship.
May.	B.Com. II Sem. M.Com. II Sem. B.Com. VI Sem. B.Com. VI Sem.	B/E COP I/E HRM	Business Cycles & National Income. Rural Development and Plans. Revision & Test Examination. Revision & Test Examination.

*[Handwritten signature]*

NABIRA MAHAVIDYALAYA, KATOL  
*PROFORMA OF TEACHING PLAN – 2021-22*  
To be submitted to the Teacher Appraisal Committee

Name of the Teacher: Dr. P. N. Raut                      Dept. : Commerce  
Subject/Paper : Financial Accounting                      Class : B. Com. Sem V & VI

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Month	Topics to be covered
	<b>Semester V</b>
August	* Amalgamation of Joint Stock Companies Absorption of Joint Stock Companies
September	* Reconstruction and Reorganization of Joint Stock Companies
October	* Accounts of Public Utility Concerns
November	* Valuation of shares
	<b>Semester VI</b>
December	* Profit prior to incorporation
January	* Investment Accounts
February	* Accounts of Holding Companies
March	* Insurance Claims

  
Signature

**NABIRA MAHAVIDYALAYA, KATOL**  
*PROFORMA OF TEACHING PLAN – 2021-22*  
To be submitted to the Teacher Appraisal Committee

Name of the teacher : Dr. P. N. Raut

Dept. : Commerce


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**Month                      Class                      Subject/Paper                      Topics to be covered**

**Semester V**

July	M.Com. III	D/T:-	Introduction of Taxes
Aug.	M.Com. III	D/T:-	Income from Capital Gain
Sep.	M.Com. III	D/T:-	Income from Profession
Octo.	M.Com. III	D/T:-	Deductions U/S 80
Nov.	M.Com. III	D/T:-	Assessment of company

**Semester VI**

Dec.	M.Com. III	IDT:-	Introduction of GST
Jan.	M.Com. III	IDT:-	Input Tax credit
Feb.	M.Com. III	IDT:-	Computation of GST liability
Mar.	M.Com. III	IDT:-	Custom duty

  
Signature of the teacher

NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN – 2020-21  
To be submitted to the Teacher Appraisal Committee

Name of the Teacher : Dr. P. N. Raut Dept. : Commerce  
Subject/Paper : International Business Environment Class : M. Com. SEM-VI

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Month	Topics to be covered
	<b>Semester VI</b>
December	* Theoretical framework of Business Environment, Economic Environment of Business
January	* Demographic Environment, Political and Legal Environment a Business, Socio-cultural Environment
February	* Internationaleconomic cooperation and agreements:-Regionaleconomic integration International Economic Institutions
March	* International Trade and Investment Theories, Government Influence on Trade Trade in Merchandise
April	* Globalization And International Investments

  
Signature

2022  
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PROFORMA OF TEACHING PLAN – 2021-22

To be submitted to the Teacher Appraisal Committee

Name of the teacher : Dr. P. N. Raut

Dept. : Commerce


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**Month                      Class                      Subject/Paper                      Topics to be covered**

**Semester V**

July	B.Com. III	C/A:-	Meaning, Object, Importance, Tool & Teaching of Costing & Cost Accounting.
Aug.	B.Com. III	C/A:-	Cost Sheet and Tender.
Sep.	B.Com. III	C/A:-	Reconciliation of Cost & Financial
Octo.	B.Com. III	C/A:-	Contract Costing.
Nov.	B.Com. III	C/A:-	Process Costing.

**Semester VI**

Dec.	B.Com. III	M/A:-	Definition Objective Advantages & Importance of Management Accounting, Ratio Analysis
Jan.	B.Com. III	M/A:-	Break-Even Analysis
Feb.	B.Com. III	M/A:-	Business Budget And Budgetary Control
Mar.	B.Com. III	M/A:-	Fund Flow Statement

  
Signature of the teacher

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN – 2021-22**  
To be submitted to the Teacher Appraisal Committee

Name of the teacher : **Mukesh S. Jadhao** Dept. : Commerce  
Subject/Paper : **Company Law** Class : **B.Com. SEM- I**


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<b>Month</b>	<b>Unit</b>	<b>Topics to be covered</b>
Aug.	Unit-I -	Background of New Company Act 2013 ,Meaning, Types and Characteristics of Company
Sept.	Unit-II -	Memorandum and Articles of Association ,Contents and Importance , Prospectus
Oct.	Unit-III -	Share and Share Capital , Depositories and Dematerialization of securities
Nov.&Dec.	Unit-IV -	Membership in a Company ,Directors , Auditor – Meaning , Appointment and Removal

**Subject/Paper : Secretarial Practice Class : B.Com. SEM- II**

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<b>Month</b>	<b>Unit</b>	<b>Topics to be covered</b>
Jan.	Unit-I -	Incorporation of Company, Company Secretary, Directors of Company
Feb.& March.	Unit-II -	Company Meetings, Notice, Agenda & Quorum of Meeting , Voting and Resolution
April	Unit-III -	Report Writing, Secretarial Audit, E- Governance and E-Filing
May	Unit-IV –	Key Managerial Personnel , Appointment of Directors , Managerial Remuneration

  
Mukesh S. Jadhao

Signature of the teacher




**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN – 2021-22**  
To be submitted to the Teacher Appraisal Committee

Name of the teacher : **Mukesh S. Jadhao** Dept. : Commerce  
Class : **B.Com. SEM- III**

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Month	Subject/Paper	Topics to be covered
Aug.	M/E-I:- Unit-I :- Money BCM:- Unit-I :- Introduction - Communication	
Sept.	M/E-I:- Unit-II :- Inflation and Deflation BCM :- Unit-I :- Introduction - Communication	
Oct.	M/E-I :- Unit-III:- Money Market and Policy BCM :- Unit-II :- Business Communication	
Nov.&Dec.	M/E-I :- Unit-IV :- Public Finance BCM :- Unit-II :- Business Communication	

  
Mukesh S. Jadhao

Signature of the teacher

NABIRA MAHAVIDYALAYA, KATOL  
PROFORMA OF TEACHING PLAN – 2021-22  
To be submitted to the Teacher Appraisal Committee


Name of the teacher : **Mukesh S. Jadhao** Dept. : Commerce

**Class : B.Com. SEM- V**

**Subject :- Management Process**

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<b>Month</b>	<b>Topics to be covered</b>	
Aug.	Unit-I	Management and Administration
Sept	Unit-II	Managerial Development & Group Dynamics:
Oct.	Unit-III	Managerial Style
Nov.&Dec.	Unit-IV	Motivation relationship between motivation and Productivity relationship

  
Mukesh S. Jadhao


Signature of the teacher

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN – 2021-22**  
To be submitted to the Teacher Appraisal Committee

Name of the teacher : **Mukesh S. Jadhao** Dept. : Commerce  
Class : **B.Com. SEM- V** Subject :- **Marketing Management**

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Month	Topics to be covered	
Aug.	Unit-I	Introduction
Sept.	Unit-II	Market and Pricing
Oct.	Unit-III	Product Planning and Distribution
Nov.&Dec	Unit-IV	Consumer Behavior and Promotion

  
Mukesh S. Jadhao

Signature of the teacher

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN – 2021-22**  
To be submitted to the Teacher Appraisal Committee

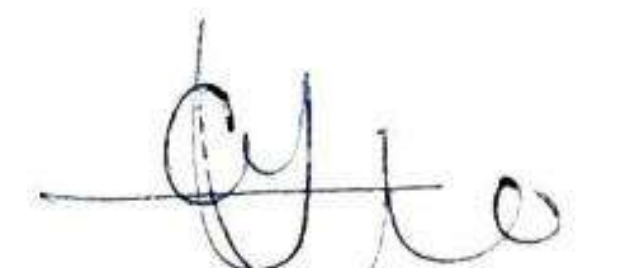
Name of the teacher : **Mukesh S.Jadhao**

Dept. : Commerce

**Class : B.Com. SEM- IV**

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<b>Month</b>	<b>Subject/Paper</b>	<b>Topics to be covered</b>
Jan.	S/D :- Unit-I :- Introduction	
Feb.	S/D :- Unit-I :- Introduction S/D :- Unit-II :- Communication Skills and Personality Development	
March	S/D :- Unit-II :- Communication Skills and Personality Development	
March	S/D :- Unit-III :- Techniques in Personality Development	
April	S/D :- Unit-IV :- Entrepreneurial Skill Development	
May	S/D :- Unit-IV :- Entrepreneurial Skill Development	

  
Mukesh S. Jadhao

Signature of the teacher

**NABIRA MAHAVIDYALAYA, KATOL**

**PROFORMA OF TEACHING PLAN – 2021-22**

To be submitted to the Teacher Appraisal Committee

Name of the teacher :

**Mukesh S.Jadhao**

Dept. : Commerce

**Class : B.Com. SEM- IV**

**Month**

**Subject/Paper Topics to be covered**

Jan.

M/E-II:- Unit-I :- Commercial Banking

Feb.

M/E-II:- Unit-I :- Commercial Banking

March.

M/E-II:- Unit-II :- Banking and Core Banking

April

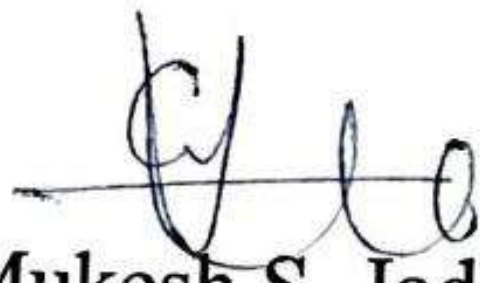
M/E-II:- Unit-III :- Banks and Customers Relationship and Services

April

M/E-II:- Unit-IV:- Central Bank

May

M/E-II :- Unit-IV :- Central Bank

  
Mukesh S. Jadhao

Signature of the teacher

**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN – 2021-22**  
To be submitted to the Teacher Appraisal Committee

Name of the teacher : **Mukesh S. Jadhao**

Dept. : Commerce

**Class : B.Com. SEM- VI**

**Subject : Industrial Law**

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**Month**

**Topics to be covered**

Jan.

Unit-I :- Indian Factory Act 1948

Feb.

Unit-I :- Industrial Dispute Act 1947  
Unit-II :- Wages Act 1948, Payment of Wages Act 1936

March

Unit-II :- Bonus Act 1965, The Employee State Insurance Act 1948

April

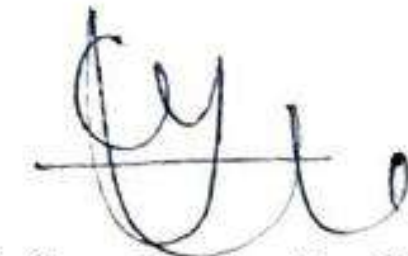
Unit-II :- Workmen Compensation Act 1923, Maternity Benefits Act 1961

April

Unit-III :- Child Labour Act 1986, Trade Union Act 1926

May.

Unit-IV :- Environment Protection Act 1986, Industrial Estate, Intellectual Property Rights Law in India



Mukesh S. Jadhao

Signature of the teacher

NABIRA MAHAVIDYALAYA, KATOL  
PROFORMA OF TEACHING PLAN – 2021-22  
To be submitted to the Teacher Appraisal Committee

Name of the teacher: **Jayant S. Kalambhe**

Department of Commerce

Month	Class	Subject/Paper	Topics to be covered
Aug.	B. Com I	B/E-I	Unit-I: - Nature & Scope of Business Economics
	B. Com I	F/A-I	Unit-I: - Financial Account of Sole Trader
	B. Com II	M/E-I	Unit-I: - Money
	B.com III	M/P	Unit-I: - Management & Administration
Sept.	B.Com. I	B/E-I	Unit-II: - Theory of Consumption
	B. Com I	F/A-I	Unit-II: - Branch Accounting
	B.Com. II	M/E-I	Unit-II: - Inflation & Deflation
	B. Com III	M/P	Unit-II: - Managerial Development & Group Dynamics
Oct.	B.Com. I	B/E-I	Unit-III: - Theory of Production
	B. Com I	F/A-I	Unit-III: - Final Accounts of Co-operative Society
	B.Com. II	M/E-I	Unit-III: - Money Market & Policies
	B. Com III	M/P	Unit-III: - Managerial Style

**Diwali Vacation:** <sup>Oct</sup> 31 ~~Nov~~ 2021 to <sup>Nov</sup> 10 ~~Dec~~ 2021

Nov.	B.Com. I	B/E-I	Unit-IV: - Theory of Cost & Revenue
	B. Com I	F/A-I	Unit-IV: - Joint Venture Accounts
	B.Com. II	M/E-I	Unit-IV: - Public Finance
	B. Com III	M/P	Unit-IV: - Motivation

Month	Class	Subject/Paper	Topics to be covered
Dec.	B.Com. I	B/E –II	Unit-I: - Market Structure
	B.Com. I	S/B/M	Unit-I: - Statistics & Measures of Central Tendency
	B.Com. II	M/E-II	Unit-I: - Commercial Banking
	B. Com III	A/S	Unit-I: - Correlation
Jan.	B.Com. I	B/E –II	Unit-II: - Perfect & Imperfect Competition Market
	B.Com. I	S/B/M	Unit-II: - Dispersion
	B.Com. II	M/E-II	Unit-II: - E-Banking
	B. Com III	A/S	Unit-II: - Regression
Feb.	B.Com. I	B/E –II	Unit-III: - Theory of Distribution
	B.Com. I	S/B/M	Unit-III: - Skewness
	B.Com. II	M/E-II	Unit-III: - Bank & Costumers Relationship & Service
	B. Com III	A/S	Unit-III: - Index Number
Mar.	B.Com. I	B/E –II	Unit-IV: - Business Cycles & National Income
	B.Com. I	S/B/M	Unit-IV: - Business Mathematics
	B.Com. II	M/E-II	Unit-IV: - Central Bank
	B. Com III	A/S	Unit-IV: - Time Series Analysis

Date:



**Jayant Kalambe**

Signature of the teacher

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JAYANT



**NABIRA MAHAVIDYALAYA, KATOL**  
**PROFORMA OF TEACHING PLAN – 2021-22**  
 To be submitted to the Teacher Appraisal Committee

Name of the teacher : **Dr. Komal R. Nabira** Dept. :Commerce

Month	Class	Subject/Paper	Topics to be covered
Aug	B.Com. I B.com III	BO :- IE -1:-	Unit-1 nature and scope of business Unit-1 Indian economy and planning
sept.	B.Com. I B.com III	BO :- IE :-	Unit-II forms of business unit Unit II Indian economy and planning
oct.	B.Com I B.com III	BO:- IE-I:-	Unit III or4ganisation and types Unit-III:- population and unemployment
nov..	B.Com. I B.com III	BO:- IE-I:-	Unit-IV :- Recent trends in organisation Unit-IV :- India's public finance

**Diwali Vacation31 oct to 10 nov**

Jan.	B.Com. II B.Com III	A/C:- IE II:-	Unit-I:- Final a/c of banking company Unit-I:- Indian agriculture
Feb	B.Com. II B.Com. III	A/C:- IE II:-	Unit-II:- Final a/c of banking general insurance company Unit-II:- Indian industry
Mar	B.Com. II B.com III	A/C :- IE II :-	Unit III :valuation of gooswill Unit-III :- Indian service sector
April	B.com II B.Com III	A/C:- IE II:-	Unit IV :- liquidation of company Contribution of Indian economic sector

Signature of the teacher

NABIRA MAHAVIDYALAYA, KATOL  
PROFORMA OF TEACHING PLAN – 2021-22  
To be submitted to the Teacher Appraisal Committee

Name of the teacher : **Dr. Komal R. Nabira** Dept. :Commerce

Month	Class	Subject/Paper	Topics to be covered
Sept.	M.COM	IFS MM	component of financial system nature and scope of market
Oct.	M.COM	IFS MM	banking MIS and marketing research
Nov.	M.COM	IFS MM	insurance product decision
Dec..	M.COM	IFS MM	capital market vertical marketing
<b>Diwali Vacation: 25 Dec to 13 Jan</b>			
Jan.	M.COM	RM HRM	Meaning and types of research Human factor in organisation
Feb	M.COM	RM HRM	research design recruitment and selection
Mar	M.COM	RM HRM	collection and processing of data job evaluation and job design
April	M.COM	RM HRM	report writing employee remuneration and wage legislation

Signature of the teacher

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## NABIRA MAHAVIDYALAYA KATOL

Teaching plan – 2021-2022

( Department of Commerce)

Smita D.Dangra

Month.	Class.	Subject/Paper.	Topics to be co
Aug.	B. com 2.	Business law	Unit 1:- Business laws The sale of goods act, 1930
	B.com 3	Cost A/C	Unit 1:-cost accounting
Sept.	B.com 2	Business law	Unit 2: Indian contract Indian partnership act,
	B.com 3	Cost A/C	Unit 2: Reconciliation of Shown by cost and final Accounts
Oct.	B. com 2	Business law	Unit 3: Negotiable instru Act, 1881 Prevention of money Laundering act, 2002
	B.com 3.	Cost A/C.	Unit 3: Process cost accou
Diwali vacation 31 <sup>st</sup> October to 10 <sup>th</sup> November			
Nov.	B.com 2.	Business law.	Unit 4: Consumer protect

Month	Class.	Subject/paper.	Topics to be covered
Dec.	B.com2.	Income tax.	Unit 1: Introduction of income tax Residential status and tax
	B.com 3.	M. A/C.	Unit 1: Management accounting
Jan.	B.com 2.	Income tax.	Unit 2: deduction u/s 80c a Tax tree Allowances and pe
	B.com 3.	M. A/C.	Unit 2: Business budget & b control
Feb.	B.com 2	Income tax	Unit 3: Income from salary
	B.com3.	M.A/C.	Unit 3: Ratio analysis
March.	B.com 2	Income tax	Unit 4: Income from House Income from Other s
	B.com 3	M A/C.	Unit 4: Fund flow analysis

# NABIRA MAHAVIDYALAYA, KATOL

Proforma of teaching plan 2021-2022

To be submitted to the teaching appraisal committee

Department of commerce

(NON GRANT ENGLISH MEDIUM)

Name of the teacher:-SHRADDHA D. CHANDAK

## B.COM 3 YEAR

SUBJECT- SEM.5 -MARKETING MANAGEMENT

SEM.6-HUMAN RESOURCE MANAGEMENT

SUBJECT-MARKETING MANAGEMENT

MONTH

TOPICS TO BE COVERED

AUG.

UNIT -1

I) Introduction of marketing

II)Management

III) Marketing segmentation

SEPT.

UNIT-2

I) Consumer market

II) Industrial market

III)Service market

IV) Pricing policies

OCT.

UNIT 3

I) Product planning and Distribution

II)Product life cycle



NABIRA MAHAVIDYALAYA, KATOL

Proforma of teaching plan 2021-2022

To be submitted to the teaching appraisal committee

Department of commerce

(NON GRANT ENGLISH MEDIUM)

Name of the teacher:-SHRADDHA D. CHANDAK

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**B.COM 1 YEAR**

SEM. 1- COMPANY LAW

SEM. 2- SECRETARIAL PRACTICE

SUBJECT :- SEM 1 COMPANY LAW

MONTH

TOPICS TO BE COVERED

AUG.

UNIT -1 I) Back ground of ne Company act 2013  
II)Corporate personality  
III) Kinds of company  
IV)Formation of company

SEPT.

UNIT-2 I) MOM  
II) AOA  
III) Prospectus ,type  
IV) Private placement

OCT

UNIT 3 I) Share capital  
II) Debt capital  
III) Depositories, Securities

OPPO A74 5G  
JAYANT

DIWALI VACATION :31 OCT.2021 TO 10 NOV.2021

NOV.	UNIT 4	I) Membership in a company II) Shareholder and member III) Directors IV) Auditors
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SUBJECT- SEM.-2 SECRETARIAL PRACTICE

MONTH	TOPICS TO BE COVERED
JAN.	UNIT 1 I) Procedure for incorporation II) Conversion of companies
FEB.	UNIT 2 I) Procedure for alteration of M/A and A/A Company Secretary II) Director ,DIN, Type of Meeting
MAR.	UNIT 3 I) Report Writing II) Concept of secretarial audit S.S. C.S.R
APR.	UNIT 4 I) Key managerial personnel II) Managerial Remuneration

Sign of the teacher

  
S.D.CHANDAK



# Nabira Mahavidyalaya Katol

Session 2021-22

**Name of Teacher:** Ku. Nikita N. Kumeriya

**Dep. Of Commerce**

**Subject:** Business Communication & Management

**B. Com sem III**

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Months	Unit	Topics to be Covered
Nov. 2021	Unit I	Introduction Business Communication
	Unit II	Business Communication & Customer Care Communication
Dec. 2021	Unit III	Technology & Business Communication
	Unit IV	MS – Office Aided Communication

**Subject :** Skill Development :

**B.Com IV. Sem.**

Months	Units	Topics to be Covered
Jan. 2022	Unit I	Introduction Of Skill Development
Feb. 2022	Unit II	Communication Skill and Personality development
March 2022	Unit III	Techniques in Personality development
April 2022	Unit IV	Entrepreneurial Skill Development

# Nabira Mahavidyalaya Katol

Session 2021-22

Name of Teacher: Ku. Nikita N. Kumeriya

Dep. Of Commerce

Subject: Business Management

B. Com sem II

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Months	Units	topics to Be covered
Jan.2022	Unit I	Introduction of Management
Feb.2022	Unit II	Planning & Decision
March 2022	Unit III	Delegation of Authority, Co-ordination & Controlling
April 2022	Unit IV	Recent Trends in Management

# Nabira Mahavidyalaya Katol

Session 2021-22

**Name of Teacher:** Ku. Falguni V. Kathole

**Dep. Of Commerce**

**Subject:** Auditing

**B. Com sem V**

<b>Months</b>	<b>Unit</b>	<b>Topics to be Covered</b>
Nov. 2021	Unit I	Basics of Auditing
	Unit II	Audit working and Procedure
Dec. 2021	Unit III	Standard on Auditing Vouching, Assets and Liabilities
	Unit IV	Company Audit and Audit Report

**Subject:** Industrial Law

**B.Com VI Sem.**

<b>Months</b>	<b>Units</b>	<b>Topics to be Covered</b>
Jan. 2022	Unit I	Indian Factories Act – 1948, Industrial Dispute Act - 1947
Feb. 2022	Unit II	Law relating to wages, Law relating to Workmen Compensation
March 2022	Unit III	Child Labor (Prohibition and Regulation) Act 1986, Contract Labour Act
April 2022	Unit IV	Environment Protection Act 1986

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DEPARTMENT OF COMMERCE  
NABIRA MAHAVIDYALAYA, KATOL.

TIME TABLE – 2021-22

(MARATHI MEDIUM B. COM.)

W.E.F. 17-08-2021

**B. COM. I (First Semester)**

Room No. F-14

Students Enrolled: 120

DAYS	1	2	3	4	5	6
	8.00 – 8.48	8.48 – 9.36	9.40 – 10.28	10.28 – 11.16	11.20 – 12.08	12.08 – 12.56
MON	MAR – UNN	CL – MSJ	BO - RGG	B/E – VRR	ENG – PVS	ENG/T – B1
TUE	MAR – UNN	B/E – VRR	BO - RGG	F/A - VRR	CL – MSJ	ENG/T – B2
WED	MAR – UNN	B/E – VRR	F/A - VRR	ENG – PVS	BO - RGG	ENG/T – B3
THU	CL – MSJ	B/E – VRR	F/A - VRR	ENG – PVS	BO - RGG	ENG/T – B4
FRI	CL – MSJ	B/E – VRR	F/A - VRR	ENG – PVS	MAR - UNN	ENG/T – B5
SAT	CL – MSJ	BO - RGG	F/A - VRR	ENG – PVS	MAR - UNN	ENG/T – B6

**B. COM. II (Third Semester)**

Room No. F-13

Students Enrolled:


DAYS	1	2	3	4	5	6
	8.00 – 8.48	8.48 – 9.36	9.40 – 10.28	10.28 – 11.16	11.20 – 12.08	12.08 – 12.56
MON	M/E – MSJ	F/A – RGG	BCM – MSJ	BL – RGG	MAR – UNN	EVS
TUE	M/E – MSJ	F/A – RGG	BCM – MSJ	ENG – YPB	BL – RGG	ENG/T – B1
WED	M/E – MSJ	F/A – RGG	BL – RGG	ENG – YPB	BCM – PNR	ENG/T – B2
THU	MAR – UNN	F/A – RGG	BL – RGG	ENG – YPB	BCM – PNR	ENG/T – B3
FRI	MAR – UNN	F/A – RGG	BL – RGG	ENG – YPB	M/E – MSJ	ENG/T – B4
SAT	MAR – UNN	M/E – MSJ	BCM – PNR	ENG – YPB	MAR – BSK	EVS

**B. COM. III (Fifth Semester)**

Room No. F-15

Students Enrolled:

DAYS	1	2	3	4	5	6
	8.00 – 8.48	8.48 – 9.36	9.40 – 10.28	10.28 – 11.16	11.20 – 12.08	12.08 – 12.56
MON	ADT - RGG	F/A – PNR	C/A - PNR	M/P – MSJ	M/M - MSJ	--
TUE	ADT - RGG	F/A – PNR	C/A - PNR	M/P – MSJ	I/E – VRR	--
WED	ADT - RGG	F/A – PNR	C/A - PNR	M/P – MSJ	M/M - MSJ	--
THU	I/E – VRR	F/A – PNR	C/A - PNR	M/P – MSJ	M/M - MSJ	--
FRI	I/E – VRR	F/A – PNR	M/M - MSJ	ADT - RGG	I/E – VRR	--
SAT	I/E – VRR	C/A - PNR	M/M - MSJ	ADT - RGG	M/P – MSJ	--

  
Dr. G. K. Khoryade,  
H.O.D. Commerce.

DEPARTMENT OF COMMERCE  
NABIRA MAHAVIDYALAYA, KATOL.  
TIME TABLE – 2021-22

W.E.F. 17-08-2021

Room No. F- 07

**M. COM. SEM. I**

Students Enrolled:

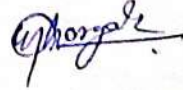
DAYS	1	2	3	4	5	6
	8.00 – 8.48	8.48 – 9.36	9.40 – 10.28	10.28 – 11.16	11.20 – 12.08	12.08 – 12.56
MON	--	--	M/E – VRR	IFS – KRN	AFA – GKK	
TUE	--	--	M/E – VRR	IFS – KRN	AFA – GKK	--
WED	--	--	M/M – KRN	M/E – VRR	AFA – GKK	--
THU	--	--	M/M – KRN	M/E – VRR	AFA – GKK	IFS – KRN
FRI	--	--	M/M – KRN	IFS – KRN	AFA – GKK	--
SAT	--	--	M/M – KRN	IFS – KRN	M/E – VRR	--

Room No. F- 06

**M. COM. SEM. III**

Students Enrolled:

DAYS	1	2	3	4	5	6
	8.00 – 8.48	8.48 – 9.36	9.40 – 10.28	10.28 – 11.16	11.20 – 12.08	12.08 – 12.56
MON	--	--	AMA – GKK	DT – PNR	SSM –	S/T - GKK
TUE	--	--	AMA – GKK	DT – PNR	SSM –	--
WED	--	--	S/T - GKK	DT – PNR	SSM –	--
THU	--	--	S/T - GKK	DT – PNR	SSM –	--
FRI	--	--	S/T - GKK	AMA – GKK	SSM –	--
SAT	--	--	S/T - GKK	AMA – GKK	AMA – GKK	DT – PNR

  
Dr. G. K. Khorgade,  
H.O.D. Commerce.

## WORKLOAD ALLOCATION

2021-22 (First Session)

S.N.	Name of the Teacher	Subjects to be taught	Class	No. of periods allotted	Workload
1.	Dr. G. K. Khorgade (H.O.D.&Research Supervisor)	AFA	M. Com. Sem. I	5*	6
		AMA	M. Com. Sem. III	5*	6
		S/T	M. Com. Sem. III	5*	6
		<b>TOTAL</b>			
2.	Dr. R. G. Gongale	B/O	B. Com. Sem. I	5	5
		F/A	B. Com. Sem. III	5	5
		B/L	B. Com. Sem. III	5	5
		ADT	B. Com. Sem. V	5	5
		<b>TOTAL</b>			
3.	Dr. V. R. Ruikar	F/A	B. Com. Sem. I	5	5
		B/E	B. Com. Sem. I	5	5
		I/E	B. Com. Sem. V	5	5
		M/E	M. Com. Sem. I	5*	6
		<b>TOTAL</b>			
4.	Dr. P. N. Raut	F/A	B. Com. Sem. V	5	5
		C/A	B. Com. Sem. V	5	5
		BCM	B. Com. Sem. III	3	3
		D T	M. Com. Sem. III	5*	6
		<b>TOTAL</b>			
5.	M. S. Jadhao	CL	B. Com. Sem. I	5	5
		M/E	B. Com. Sem. III	5	5
		BCM	B. Com. Sem. III	2	2
		M/M	B. Com. Sem. V	5	5
		M/P	B. Com. Sem. V	5	5
		<b>TOTAL</b>			
6.	Dr. K. R. Nabira (CHB)	IFS	M. Com. Sem. I	5*	6
		M/M	M. Com. Sem. I	4*	5
		<b>TOTAL</b>			
		SSM	M. Com. Sem. III	-	-
<b>GRAND TOTAL</b>					<b>111</b>

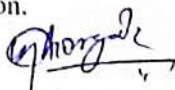
Total Workload:

UG            70    periods of 48 minutes

PG            41    periods (32 periods of 60 minutes each \* weightage 1.5)

-----  
111    periods

At PG level 4 periods of 60 minutes equal to 240 minutes for each subject are prescribed, however, to manage the Time Table of UG and PG, 5 periods of 48 minutes equal to 240 minutes are provided. The 5 periods are to be considered equal to 6 periods for workload calculation.

  
 Dr. G. K. Khorgade  
 H.O.D. Commerce.

DEPARTMENT OF COMMERCE  
NABIRA MAHAVIDYALAYA, KATOL.

TIME TABLE – 2021-22

(MARATHI MEDIUM - B. COM.)

**B. COM. I (Second Semester)**

Room No. F-14

Students Enrolled:

DAYS	1	2	3	4	5	6
	8.00 – 8.48	8.48 – 9.36	9.40 – 10.28	10.28 – 11.16	11.20 – 12.08	12.08 – 12.56
MON	BM - RGG	B/E - VRR	SBM - GKK	SP - MSJ	ENG - YPB	ENG/T - B1
TUE	BM - RGG	B/E - VRR	SBM - GKK	SP - MSJ	MAR - VRW	ENG/T - B2
WED	SP - MSJ	B/E - VRR	SBM - GKK	ENG - YPB	BM - RGG	ENG/T - B3
THU	MAR - VRW	B/E - VRR	SBM - GKK	ENG - YPB	BM - RGG	ENG/T - B4
FRI	MAR - VRW	SP - MSJ	SBM - GKK	ENG - YPB	B/E - VRR	ENG/T - B5
SAT	MAR - VRW	SP - MSJ	BM - RGG	ENG - YPB	MAR - BSK	ENG/T - B6

**B. COM. II (Fourth Semester)**

Room No. F-13

Students Enrolled:

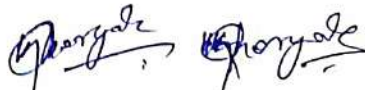
DAYS	1	2	3	4	5	6
	8.00 – 8.48	8.48 – 9.36	9.40 – 10.28	10.28 – 11.16	11.20 – 12.08	12.08 – 12.56
MON	MAR - VRW	F/A - RGG	M/E - MSJ	ENG - YPB	I/T - RGG	S D - MSJ
TUE	MAR - VRW	F/A - RGG	M/E - MSJ	ENG - YPB	S D - MSJ	ENG/T - B1
WED	MAR - VRW	F/A - RGG	I/T - RGG	S D - MSJ	ENG - YPB	ENG/T - B2
THU	M/E - MSJ	F/A - RGG	I/T - RGG	S D - MSJ	ENG - YPB	ENG/T - B3
FRI	M/E - MSJ	F/A - RGG	I/T - RGG	MAR - VRW	EVS	ENG/T - B4
SAT	M/E - MSJ	I/T - RGG	S/D - MSJ	MAR - VRW	EVS	ENG/T - B5

**B. COM. III (Sixth Semester)**

Room No. F-15

Students Enrolled:

DAYS	1	2	3	4	5	6
	8.00 – 8.48	8.48 – 9.36	9.40 – 10.28	10.28 – 11.16	11.20 – 12.08	12.08 – 12.56
MON	I/L - MSJ	F/A - PNR	M/A - PNR	A/S - GKK	I/E - VRR	--
TUE	I/L - MSJ	F/A - PNR	M/A - PNR	A/S - GKK	HRM - VRR	--
WED	HRM - VRR	F/A - PNR	M/A - PNR	A/S - GKK	I/E - VRR	--
THU	HRM - VRR	F/A - PNR	M/A - PNR	A/S - GKK	I/E - VRR	--
FRI	I/E - VRR	F/A - PNR	HRM - VRR	I/L - MSJ	I/L - MSJ	--
SAT	I/E - VRR	M/A - PNR	HRM - VRR	I/L - MSJ	A/S - GKK	--

  
 Dr. G. K. Khorgade,  
 H.O.D. Commerce

DEPARTMENT OF COMMERCE  
NABIRA MAHAVIDYALAYA, KATOL.  
TIME TABLE – 2021-22

(MARATHI MEDIUM - M. COM.)

Room No. F- 8

**M. COM. SEM. II**

Students Enrolled:


DAYS	1	2	3	4	5	6
	8.00 – 8.48	8.48 – 9.36	9.40 – 10.28	10.28 – 11.16	11.20 – 12.08	12.08 – 12.56
MON	--	--	C-O – VRR	R/M – KRN	ACA – GKK	HRM – KRN
TUE	--	--	C-O – VRR	R/M – KRN	ACA – GKK	HRM – ---
WED	--	--	C-O – VRR	R/M – KRN	ACA – GKK	--
THU	--	--	C-O – VRR	HRM – KRN	ACA – GKK	--
FRI	--	--	--	HRM – KRN	ACA – GKK	R/M – KRN
SAT	--	--	--	HRM – KRN	C-O – VRR	R/M – KRN

**M. COM. SEM. IV**

Room No. F- 10

Students Enrolled:

DAYS	1	2	3	4	5	6
	8.00 – 8.48	8.48 – 9.36	9.40 – 10.28	10.28 – 11.16	11.20 – 12.08	12.08 – 12.56
MON	--	--	C L - RGG	IDT - PNR	IBE - PNR	CTC – GKK
TUE	--	--	C L - RGG	IDT - PNR	IBE - PNR	CTC – GKK
WED	--	--	--	IDT - PNR	IBE - PNR	CTC – GKK
THU	--	--	--	IDT - PNR	IBE - PNR	--
FRI	--	--	--	IDT - PNR	C L - RGG	CTC – GKK
SAT	--	--	CTC – GKK	C L - RGG	C L - RGG	IBE - ---

  
Dr. G. K. Khorgaode  
H.O.D., Commerce



## WORKLOAD ALLOCATION

2021-22 (Second Session)

S.N.	Name of the Teacher	Subjects to be taught	Class	No. of periods allotted	Workload
2.	Dr. G. K. Khorgade (H.O.D)	ACA	M. Com. Sem. II	5*	6
		CTC	M. Com. Sem. IV	5*	6
		SBM	B. Com. Sem. II	5	5
		A/S	B. Com. Sem. VI	5	5
		<b>TOTAL</b>			
3.	Dr. R. G. Gongale	B/M	B. Com. Sem. II	5	5
		F/A	B. Com. Sem. IV	5	5
		I/T	B. Com. Sem. IV	5	5
		C/L	M. Com. Sem. IV	5*	6
		<b>TOTAL</b>			
4.	Dr. V. R. Ruikar	B/E	B. Com. Sem. II	5	5
		I/E	B. Com. Sem. VI	5	5
		HRM	B. Com. Sem. VI	5	5
		CO	M. Com. Sem. II	5*	6
		<b>TOTAL</b>			
5.	Dr. P. N. Raut	F/A	B. Com. Sem. VI	5	5
		M/A	B. Com. Sem. VI	5	5
		IBE	M. Com. Sem. IV	4*	5
		IDT	M. Com. Sem. IV	5*	6
		<b>TOTAL</b>			
6.	M. S. Jadhao	S/P	B. Com. Sem. II	5	5
		M/E	B. Com. Sem. IV	5	5
		S/D	B. Com. Sem. IV	5	5
		I/L	B. Com. Sem. VI	5	5
		<b>TOTAL</b>			
7.	Dr. K. R. Nabira (CHB)	RM	M. Com. Sem. II	5*	6
		HRM	M. Com. Sem. II	4*	5
		<b>TOTAL</b>			
<b>GRAND TOTAL</b>					<b>116</b>


Total Workload:

UG            70        periods of 48 minutes

PG            46        periods (32 periods of 60 minutes each \* weightage 1.5)

-----  
116    periods  
=====

At PG level 4 periods of 60 minutes equal to 240 minutes for each subject are prescribed, however, to manage the Time Table of UG and PG, 5 periods of 48 minutes equal to 240 minutes are provided. The 5 periods are to be considered equal to 6 periods for workload calculation.

  
 Dr. G. K. Khorgade  
 H.O.D. Commerce.

# NABIRA MAHAVIDYALAYA – KATOL

## PHYSICAL EDUCATION DEPARTMENT

### TIME TABLE FOR THE YEAR 2022 – 2023

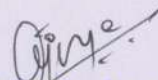
#### (Girls)

Sr. No.	Day	Games & Sports 6.00 to 6.48 am	P.T. 6.48 to 7.36 am	Administrative 10.30 to 12.30 pm	P.T. 3.00 to 3.48 pm	P.T. 3.48 to 4.36 pm	P.T. 4.36 to 5.24 pm	Games & Sports 5.24 to 6.12 pm	Games & Sports 6.12 to 7.00 pm
1	Mon.	Yogasan	B.Sc. - I	Admin. Work	B.A.- I A	B.A. – I B	B.Com.- I	Ball-Badminton	Kabaddi
2	Tue.	Cross Country	B.Sc. - II	Admin. Work	B.A. – II A	B.A. – II B	B.Com.- II	Kho-Kho	Table Tennis Boxing
3	Wed.	Yogasan	B.Sc. - I	Admin. Work	B.A. – I A	B.A. – I B	B.Com.- I	Kho-Kho	Athletics /WB
4	Thu.	Cross Country	B.Sc. - II	Admin. Work	B.A. – II A	B.A. – II B	B.Com.-II	Hand Ball	Kabaddi
5	Fri.	Yogasan	B.Sc. - I	Admin. Work	B.A. – I A	B.A. – I B	B.Com. -I	Ball Badminton	Table Tennis Boxing
6	Sat.	Cross Country	B.Sc. - II	Admin. Work	B.A. – II A	B.A. – II B	B.Com.- II	Hand Ball	Athletics/WB


#### ( Boys )

Sr. No.	Day	Games & Sports 6.00 to 6.48 am	P.T. 6.48 to 7.36 am	Administrative 10.30 to 12.30 pm	P.T. 3.00 to 3.48 pm	P.T. 3.48 to 4.36 pm	P.T. 4.36 to 5.24 pm	Games & Sports 5.24 to 6.12 pm	Games & Sports 6.12 to 7.00 pm
1	Mon.	Yogasan	B.Sc. - I	Admin. Work	B.A.- I A	B.A. – I B	B.Com.- I	Ball Badminton Volleyball	Chess /Malkham
2	Tue.	Cross Country	B.Sc. - II	Admin. Work	B.A. – II A	B.A. – II B	B.Com.- II	Ball-Badminton	Chess/Malkham
3	Wed.	Yogasan	B.Sc. - I	Admin. Work	B.A. – I A	B.A. – I B	B.Com.- I	Kho-Kho	Kabaddi
4	Thu.	Cross Country	B.Sc. - II	Admin. Work	B.A. – II A	B.A. – II B	B.Com. -II	Hand Ball	Athletics/ WB
5	Fri.	Yogasan	B.Sc. - I	Admin. Work	B.A. – I A	B.A. – I B	B.Com. -I	KhoKho/Volleyball	Kabaddi/ Volleyball
6	Sat.	Cross Country	B.Sc. - II	Admin. Work	B.A. – II A	B.A. – II B	B.Com.- II	Hand Ball	Athletics/ WB

- Note :- A) As per ordinance no.3 each section is Three periods per week x 8 = 24 periods.  
 B) Games & Sport practices per day 3 periods x 6 = 18 periods.  
 C) Administrative work Two hour per day 2 x 6 =12 periods.

  
**Dr. Tejendra D. Ingdale**  
 Asst. Professor  
 Dept. of Physical Education  
 Nabira Mahavidyalaya, Katol.



  
 Principal  
**Nabira Mahavidyalaya, Katol**

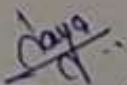
PROFORMA OF ACTION PLAN- 2021-22

To be submitted to the Teacher Appraisal Committee

Name of Teacher : Prof. Jayashree Patil

Dept.: BBA

Month	Topics to be covered
August	Orientation program for fresh students Personality development for BBA 1 <sup>st</sup> sem Guest Lecture
September	Teachers day celebration, Guest Lecture Survey on given topics
October	Management game , term exam for all semester , viva voce for all semester
November	Guest lecture
December	Guest Lecture Presentation on given topic
January	Guest Lecture Project work for final year College Activity
February	Guest Lecture Management Game ,
March	Guest Lecture Viva Voce for al semester Sessional exam

  
HOD/Co-ordinator  
BBA Department  
N.M.V. Katol

NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN- 2021-22

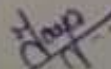
To be submitted to the Teacher Appraisal Committee

Name of Teacher : Prof. Jitendra Alone

Dept.: BBA

Subject / Paper : English Class.: BBA 1<sup>st</sup> Sem

Month	Topics to be covered
Aug	Basic Grammar – Tense, Forms of the Verb, Preposition, Articles, Punctuation,
Sup	Single Word for a Group of Words, Sentence Construction, Comprehension. )Business Manners- Body Language, Gestures, Telephone etiquette, E-mail etiquette.
Oct	Prose Home coming Dr. Tapati Dey 2. The Lighthouse Keeper of Aspinwall –Henry Sienkiewicz 3. Ilyas-Leo Tolstoy
Nov	Prose - Social Media- Dr.Sujata Chakravorty 2. World of Advertising- Dr.Pranjali Kane 3. OYO -Reinventing Hospitality
Dec.	Business Letter Writing- Enquiries and replies, Placing and fulfilling orders , Complaints and follow-up letters , Sales letters, Circular letters, Application for employment and Resume.

  
HOD/Co-ordinator  
BBA Department  
N.M.V. Katol

PROFORMA OF TEACHING PLAN- 2021-22

To be submitted to the Teacher Appraisal Committee

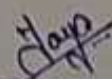
Name of Teacher : Prof. Jitendra Alone

Dept.: BBA

Subject / Paper : English

Class.: BBA 2nd Sem

month	Topics to be covered
Dec	Prose - The Dispenser of Holy Water- Guy de Maupassant After Twenty Years-O.Henry The Wall- Dr.Sunilkumar Navin
Jan	Prose- 1.Beware, You are Being Tracked!- Dr.Supantho Bhattacharya 2.What is integrity? Subroto Bagchi 3. Unsung Women Achievers of Contemporary India-Dr.Subhashree Mukherjee
Feb	1.Beware, You are Being Tracked!- Dr.Supantho Bhattacharya 2.What is integrity? Subroto Bagchi 3. Unsung Women Achievers of Contemporary India-Dr.Subhashree Mukherjee
March	Subject-Verb-Agreement / Concord of Nouns, Pronouns and Possessive Adjectives <input type="checkbox"/> Spotting errors and rewriting sentences correctly. <input type="checkbox"/> Synonyms & Antonyms , Words often confused.
April	

  
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NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN- 2021-22

To be submitted to the Teacher Appraisal Committee

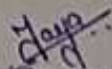
Name of Teacher : Prof. Jitendra Alone

Dept.: BBA

Subject / Paper : Micro-Economic Fundamentals

Class.: BBA 2<sup>nd</sup> Sem

Month	Topics to be covered
December	<b>Introduction to Micro Economics</b> - Meaning, Definition, Importance of Micro Economics, Factors affecting Micro Economics. Difference between Micro-Economics & Macro Economics. UNIT TEST 1
January	Unit-II Demand and Supply Analysis - Concept of Demand, Law of Demand-Meaning, Definition, Assumptions & Exceptions. Elasticity of Demand- Meaning, Types and Factors affecting Elasticity of Demand; UNIT TEST 2
February	The Indifference Curve Theory; Supply- Concept of Supply, Elasticity of Supply, Types and Factors affecting Elasticity of Supply. Production & Cost Analysis - Production & Production Function: Concept, Forms of Production function,
March	Law of Variable Proportions, Returns to scale. Cost Concepts, Short term and Long term cost output relationship, The Isocost and Isoquant Approach, Economic Region and Economies & Diseconomies of scale. UNIT TEST 3
April	<b>Market Structures</b> - Characteristics and price determination in various market structures - Perfect Competition, Monopoly, Monopolistic Competition, Oligopoly. Pricing: Meaning, Types of Pricing. UNIT TEST 4

  
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NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN- 2021-22

To be submitted to the Teacher Appraisal Committee

Name of Teacher : Prof. Jitendra Alone Dept.: BBA  
 Subject / Paper : Evolution of Business & Commercial Geography Class.: BBA 3<sup>rd</sup> Sem

Month	Topics to be covered
July	Evolution of Business & Economy: Industrial revolution (1820-1850); Rise of European business (1850-1900); Impact of First World War on International Business; UNIT TEST 1
Aug	The Great Depression and its effect on International Business; Impact of Second World War on International Business. (UNIT TEST I) Evolution of Business in post WWII Scenario: Cold War and its impact on International Business; OPEC Crises and its impact on International Business; Gulf War and its impact on International Business; Dawn of IT era and its impact on business & economy. UNIT TEST 2
September	Commercial Geography: Geography - meaning & its relation with Commerce & Commercial Geography - Nature and scope. Approaches of commercial Geography. 2. Geographical Environment & Commerce - Relationship between geographical environment and Commerce, (UNIT TEST III)
October	Economic activities, Determinism and possibilism, Physical environment - Location, size and shape of the country relief, climate, water bodies, soils, vegetation, animals, minerals, Cultural environment, settlements, transport, communication and technology.
November	Industries : Role of industries in Economic development; Factors of industrial location - Raw material, power, market, transport and communication, land capital, technology; Webers theory of industrial location, Iron & steel industry - India & USA, Cotton textile industry - India & USA. Engineering industry in India - Major industrial regions of the world and India. (UNIT TEST IV)

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NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN- 2021-22

To be submitted to the Teacher Appraisal Committee

Name of Teacher : Prof. Jitendra Alone

Dept.: BBA

Subject / Paper : Business Legislations

Class.: BBA 4<sup>th</sup> Sem

Month	Topics to be covered
December	Administration of law & legal system in India - Introduction to legal aspects of Business in general; Freedom of Trade, Profession and Occupation (Constitutional Provisions). UNIT TEST 1
January	a) Definition (Sec.2) b) Essential elements of a valid contract c) Competency to enter in contracts (Sec. 11 & 12).d) Consent – Free consent, Coercion, undue influence, fraud, misrepresentation, mistake (sec 13-23).Void Agreement (sec 24-30) f) Consequences of breach of contract (sec73-75) UNIT TEST 2
February	The Companies Act (1956) - Definition & characteristics of a company, Company distinguished from partnership, Kinds of Companies, Provisions relating to incorporation, lifting the Corporate Veil. Memorandum of Association, Doctrine of ultra-vires, Articles of Association, Doctrine of indoor management & constructive notice, Concept of Prospectus.
March	Company Management And Board Meeting: Administrative Hierarchy, Board of Director – Director- Legal Position, Appointment, Qualification, Disqualification, Removals Power, duties, Liabilities etc. Managing Director – Meaning, Appointment, and Disqualification. Manager-Meaning, Disqualification. Company Meetings Meaning of meeting-General Body meeting – statutory Meeting, Annual General meeting, Extra ordinary meeting Board Meeting. UNIT TEST 3
April	The Consumer Protection Act,1986 Salient features of Act. Definitions- Consumer, Complaint, Services, Defect and Deficiency, Complainant. Rights and Reliefs available to consumer.Procedure to file complaint.Consumer Disputes Redressal Agencies.(Composition, Jurisdiction, Powers and Functions.) Procedure followed by Redressal Agencies UNIT TEST 4

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NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN- 2021-22

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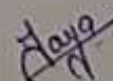
Name of Teacher : Prof. Jitendra Alone

Dept.: BBA

Subject / Paper : Entrepreneurship Development

Class.: BBA 5<sup>TH</sup> Sem

Month	Topics to be covered
July	Entrepreneur & Entrepreneurship: Evolution of the concept of Entrepreneurs, Characteristics of an Entrepreneur, Distinction between an entrepreneur and a manager, functions of an entrepreneur, types of entrepreneurs, UNIT TEST 1
August	concept of intrapreneurs; growth of entrepreneurship in India, role of entrepreneurship in economic development,. Entrepreneurial growth: Factors - Economic factors, non-economic factors, Government actions; Entrepreneurial competencies – meaning, major competencies, developing competencies; Entrepreneurship Development Programs (EDPs) - Need, objectives, course content of EDPs, phases of EDPs, evaluating EDPs. UNIT TEST 2
September	Small Enterprises: An introductory framework: Definition, characteristics, relationship between small and large units, rationale, objectives, scope, opportunities for entrepreneurial career, problems of SSIs; Project Identification and Selection (PIS) -
October	Meaning of project, project identification, project selection, contents of project reports, formulation of project reports; Project Appraisal - Concept, methods, economic analysis, financial analysis, market analysis, technical feasibility, managerial competence. UNIT TEST 3
November	Institutional & financial support to Entrepreneurs: Need for institutional support, various institutions supporting entrepreneurship in India – MIDC, MSME, MCED, DIC, SSIB, MSSIDC, BIFR; Financial support to entrepreneurs: Commercial banks, other financial institutions – IDBI, IFCI, SFCs, SIDBI, venture capital. UNIT TEST 4

  
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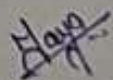
Name of Teacher : Prof. Jitendra Alone

Dept.: BBA

Subject / Paper : International Business Environment

Class.: BBA 5<sup>TH</sup> Sem

Month	Topics to be covered
July	Introduction to International Business: Importance, nature and scope of International business; Modes of entry into International Business; Internationalization process and managerial implications; Issues in foreign investments, UNIT TEST 1
August	technology transfer, pricing and regulations; International collaborative arrangements and strategic alliances; Concept and significance of balance of payments account. International Business Environment: Economic, Political, Cultural and Legal environments in International Business. Framework for analyzing international business environment. UNIT TEST
September	Global Trading and Investment Environment: World trade in goods and services – Major trends and developments; World trade and protectionism – Tariff and non-tariff barriers;
October	Foreign investments-Pattern, Structure and effects; Movements in foreign exchange and interest rates and their impact on trade and investment flows. <b>International Economic Institutions and Agreements:</b> WTO, WTO and Developing Countries, IMF, World Bank, UNCTAD, UNIT TEST 3
November	International commodity trading and agreements. Structure and functioning of EC and NAFTA, Regional Economic Groupings in Practice: Levels of Regional Economic Integration; Regionalism vs. Multilateralism; Important Regional Economic Groupings in the World. UNIT TEST 4

  
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PROFORMA OF TEACHING PLAN- 2021-22

To be submitted to the Teacher Appraisal Committee


Name of Teacher : Prof. Jitendra Alone

Dept.: BBA

Subject / Paper : Advance Financial Management

Class.: BBA 6<sup>th</sup> Sem

Month	Topics to be covered
December	Banking Services and Operations -Definition of banks, Functions of Commercial Banks, Banking Structure in India, Role of RBI vis-a-vis other commercial banks, Introduction to Bank Deposits, Types of Deposit Accounts, KYC UNIT TEST 1
January	Insurance Services - Concept of insurance, principles of insurance, Traditional and Unit linked policies, individual and group policies, Different type of insurance products – whole life products, term assurance annuities, and endowment, Medi-Claim and health insurance products. UNIT TEST 2
February	Mutual Funds - Organization Structure, Classification of Funds -Types of Funds - Equity Funds, Debt Funds, Liquid Funds, Balanced Funds, Monthly Income Plans, UNIT TEST 3
March	ETFs, Commodity Funds, Fund of Funds, Sectoral Funds, ELSS; Calculation of NAV; Systematic Investment Plans; Concept of Cost Averaging and Value Averaging.
April	Capital Market - Introduction to Capital Markets, Structure of Capital Market, Primary and Secondary Market, Stock Exchanges in India- BSE, NSE, OTCEI, ICSEI, Functions of Stock Exchange, SEBI and Role of SEBI in Capital Market UNIT TEST 4

  
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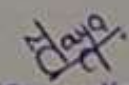
Name of Teacher : Prof. Jitendra Alone

Dept.: BBA

Subject / Paper : Fundamentals of Marketing Management

Class.: BBA 6<sup>th</sup> Sem

Month	Topics to be covered
December	Integrated Communication Mix (IMC) -meaning, importance; Communication meaning, importance, process, communication mix-components, role in marketing.
January	Branding - meaning, brand recall, brand positioning. Importance of branding and advertising. Digital Marketing – Scope and Importance, Search Engine Optimisation (SEO), Out of home (OOH).
February	Sales Organisation and Relationship : Purpose of sales organization, Types of sales organization structures, Sales department external relations, Distributive network relations.
March	Concept of services - Nature & characteristics of services, Marketing Mix and strategies in Service Marketing, Product decisions, pricing strategies,
April	Promotion of services, Placing or Distribution methods of services, Service vision & Strategies: Includes Advertisements, Branding, Packaging of Services.

  
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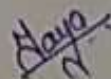
Name of Teacher : Prof. Pravin Rewatkar

Dept.: BBA

Subject / Paper : Fundamentals of Business Management

Class.: BBA 1<sup>st</sup> Sem

Month	Topics to be covered
August	Nature, function, definition and importance of management, purpose and scope of management, Functions of a manager, is management a science or art? Development of Management Thought -Scientific management. UNIT TEST 1
September	Contribution of Taylor, Fayol, Mary Follet, Elton Mayo; Hawthorne experiments, Contingency approach. Management and administration, Management as a profession, Professionalism of management in India, UNIT TEST 2
October	Management ethics and management culture, Skills required of manager, Classification of skills, Methods of skills development. Concept of planning, objectives, Nature, Types of plan, Stages involved in planning. UNIT TEST 3
November	Characteristics of a good plan, Importance, Limitations of planning, Making planning effective, Strategic planning in Indian Industry. Concept, characteristics of decisions, Types of decisions, Steps Involved in decision making, Importance of decision making, Methods of decision making, Committee Decision Making.
December	Organisation -Concepts, Principle of organization, Importance, features of good organization structure, Types of Organisation structure. UNIT TEST 4

  
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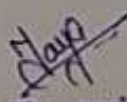
Name of Teacher : Prof. Pravin Rewatkar

Dept.: BBA

Subject / Paper : Cost Accounting

class: BBA I Sem

Month	Topics to be covered
Aug	Introduction -Meaning of Cost, Costing and Cost Accounting, Features, Scope and Functions of Cost Accounting, Advantages and Limitations of Cost Accounting; UNIT TEST1
September	Meaning, features and applicability, difference between process and job costing, wastage and by-products, normal and abnormal loss. Preparation of process accounts UNIT TEST 2
October	Operating Costing: Classification of costs, Features of operating costing: Transport costing (Standard charge, running and operating cost, maintenance charges and log sheet) UNIT TEST 3
November	Introduction, Application of Marginal costing in terms of cost control, level of activity planning- Break-even-analysis: Application of BEP for various business problems.
December	Concept of Cost; Analysis and Classification of Costs; Elements of Cost; UNIT TEST 4

  
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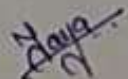
Name of Teacher : Prof. Pravin Rewatkar

Dept.: BBA

Subject / Paper : Financial & Management Accounting

Class.: BBA II Sem

Month	Topics to be covered
January	Meaning, Scope and importance of Financial Accounting. Financial Accounting - concepts and conventions, classification of accounts, Rules and principles governing Double Entry Book-keeping system (Preparation of Journal), Nature and function of financial Reporting, GAAP. UNIT TEST 1
February	Final Accounts of Companies - Final Accounts of Joint Stock Companies - contents and preparation of Trading and Profit and Loss Account, Profit and Loss Appropriation Account and Balance sheet with adjustment, Closing Entries (Simple entries) UNIT TEST 2
March	Management Accounting - Meaning, Scope, Importance, and Limitations of Management Accounting, Difference between Financial Accounting and Management Accounting, Break even analysis, Analysis of Financial Statements (using ratio analysis-simple ratios) UNIT TEST 3
April	Budgetary Control - Business budgets and budgetary control - Types of budget and its utility, preparation of cash & flexible budgets. UNIT TEST 4

  
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PROFORMA OF TEACHING PLAN- 2021-22

To be submitted to the Teacher Appraisal Committee

Name of Teacher : Prof. Pravin Rewatkar Dept.: BBA  
Subject / Paper : Principles of Financial Management class: BBA III Sem

Month	Topics to be covered
Aug	Introduction of Business Finance - Meaning, Scope and importance of Business Finance. Finance Functions. Goals & objectives of financial management
September	Sources of Financing - LONG TERM: Equity shares, Preference Shares, debentures/ Bonds (Types, features & utility), term loans, lease & hire purchase, retained earnings,; SHORT TERM: trade credit, bank finance, commercial paper, factoring & bills discounting.
October	Cost of Capital - Cost of capital, Cost of different sources of finance, weighted average cost of capital, Concept of Leverage, Concepts of Capital Structure.
November	Working Capital Management - Meaning, Scope, Importance, and Limitations of Working Capital, Factors affecting Working Capital needs,.
December	Various Approaches for financing Working Capital. Concept of Operating Cycle, Estimation of Working Capital Requirement

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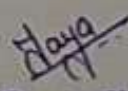
Name of Teacher : Prof. Pravin Rewatkar

Dept.: BBA

Subject / Paper : Money, Banking and Finance

Class.: BBA 4<sup>th</sup> Sem

Month	Topics to be covered
December	Concept and functions of Money, Origin and development of Money, Limitations of Barter System, UNIT TEST 1
January	Classification of Money, Importance of Money, Qualities of Good Money, Defects of money. Commercial Banking- Role and functions of Commercial Banks, Credit creation and its limitations Central Banking-Functions of Central Bank. UNIT TEST 2
February	Reserve Bank of India – Role in Indian Economy, Monetary & Non-Monetary functions of RBI. Meaning, Method & Difficulties of Measuring National Income;
March	Concept of GDP, GNP, NNP, PI, DPI. Inflation and Deflation- Types, Causes and Measures to Control. Concept, Objectives, Instruments, Limitations of Monetary and Fiscal policy, UNIT TEST 3
April	Public Finance- Meaning, Scope and Importance of Public Finance, Public Finance Vs Private Finance. UNIT TEST 4

  
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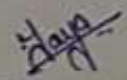
Name of Teacher : Prof. Pravin Rewatkar

Dept.: BBA

Subject / Paper : Research Methodology

Class.: BBA 5<sup>th</sup> Sem

Month	Topics to be covered
July	Meaning, Objectives and Types of research, Research Approach, Research Process, Relevance & scope of research in management. Research Design - Features of good Design, Types of Research Design, UNIT TEST- 1
August	Steps in sample Design, Characteristics of a good sample Design, Probability & Non Probability sampling. , UNIT TEST- 2
September	Hypothesis – Meaning, Types, Process, Formation of Hypothesis, Testing of Hypothesis. Measurement & scaling techniques - Errors in measurement. Test of sound measurement, Scaling and scale construction technique. , UNIT TEST- 3
October	Attitude Measurement and Scales: Introduction to attitude - Various Methods to measure attitude.
November	Methods of data collection - Primary data – questionnaire and interviews; Collection of secondary data. Interpretation of data - Techniques of Interpretation, Report writing, Layout of a project report, preparing research reports. , UNIT TEST- 4

  
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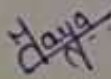
Name of Teacher : Prof. Pravin Rewatkar

Dept.: BBA

Subject / Paper : Fundamentals of Business Finance

Class.: BBA 6<sup>th</sup> Sem

Month	Topics to be covered
December	Mathematics of Finance – Concept of Time Value of Money, Compounding and Discounting of single cash flow, series of cash flow and annuity. Simple problems based on Time Value of Money. UNIT TEST- 1
January	Capital Budgeting - Premises of Capital Budgeting Decisions, Tools in Capital Budgeting, Pay Back Period, Average Rate of Return on Investments, Net Present Value, IRR. UNIT TEST- 2
February	Dividend decision and Management of Earnings - Relevance approach of dividend valuation models, UNIT TEST- 3
March	Irrelevance approach of dividend valuation models, Stability of dividend, Factors determining dividend decisions. Reasons & drivers of corporate restructuring, Methods of restructuring- mergers (types of merger),
April	Takeovers, acquisitions (Types of Takeover/ acquisition), divesting/ demerger, spin-off, split ups. UNIT TEST- 4

  
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To be submitted to the Teacher Appraisal Committee


Name of Teacher : Prof. Pravin Rewatkar

Dept.: BBA

Subject / Paper : Advanced Marketing Management

Class.: BBA 6<sup>th</sup> Sem

Month	Topics to be covered
December	Sales Management : - Evolution of sales function, Objectives of sales management positions, Functions of Sales executives, Relation with other executives, Salesmanship : Theories of personal selling, Types of Sales executives, Qualities of sales executives, Prospecting, pre-approach and post-approach, Organising display, showroom & exhibition
January	Distribution network Management: Product Distribution Channel & Types of Marketing Channels, Factors affecting the choice of channel, Types of middleman and their characteristics, Wholesale and Retail, Supply Chain Management (SCM) and introduction to Supply Chain Management, Various types of Warehousing and transportation facilities.
February	Service Quality - Impact of service Quality, Approaches to service Quality, Ten original dimensions of Service Quality, How to improve service Quality, Service quality information systems, Benchmarking and certification. Marketing challenges in services business; Classification of services; End user, Profit orientation, Services tangibility, People based services, Expertise. Role of IT in service industry.
March	Irrelevance approach of dividend valuation models, Stability of dividend, Factors determining dividend decisions. Reasons & drivers of corporate restructuring, Methods of restructuring- mergers (types of merger),
April	Customer Retention & Relationship Marketing: CB-Services, Facts & Importance of CB in services, Evolution of Relationship Marketing, Enhancement of Internal & External relationships, Customer Retention (Operations, Delivery System). Various types of services offered to customers – hotel, hospital, transport, insurance, banking and education.

  
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To be submitted to the Teacher Appraisal Committee

Name of Teacher : Prof. Jayashree Patil

Dept.: BBA

Subject / Paper : Computer Applications for Business

Class.: BBA I Sem

Month	Topics to be covered
August	Generation of Computers, Block Diagram, Working of Computer, Hardware and Software, Programming and Flow Charts concepts, Operating systems (MSDOS, Windows, UNIX, Linux), Networking concepts. Introduction to Word, Excel, PowerPoint, Internet, Lab
September	e-Commerce, e-Learning and e-Business, M-Commerce. Introduction to Basic Web Page designing Language (HTML), using Tags: - Structural, Formatting, List tags and Table.
October	Basic concepts of business, strategy and operation; Business / Strategic Consulting: Reengineering, BPR; Operations Consulting: domain knowledge concept, domain consulting. IT Enabled Services (ITES) – Processes, Outsourcing Function, Call Centres BPO's: Captive BPO's Examination

  
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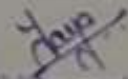
Name of Teacher : Prof.: Jayashree Patil

Dept.: BBA

Subject / Paper : Basic Statistical Techniques

Class.: BBA III Sem

Month	Topics to be covered
Aug	Definition, functions, scope and role of statistics in business and importance of statistics. Classification of data, tabulation, frequency distribution, diagrams & graphs. Importance and requisites of a good statistical average, types of averages – arithmetic mean, median, mode, geometric mean, harmonic mean, weighted average, relationship amongst different averages.
September	Meaning and significance of dispersion, methods of measuring dispersion – range, quartile deviation, mean deviation, standard deviation and coefficient of skewness.
October	Definition of correlation, significance of correlation, types of correlation, merits and limitations of coefficient, Calculation of coefficient of correlation and probable error for simple series, calculation of coefficient of correlation and probable error for continuous series

  
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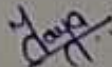
Name of Teacher : Prof. Jayashree Patil

Dept.: BBA

Subject / Paper : Introduction to Sociology & Psychology

Class.: BBA IVSem

Month	Topics to be covered
December	Sociology – Meaning and Definitions, Characteristics of Sociology as a science , Development of Modern Industrial Society – Characteristics, industrialism, capitalism, urbanism, liberal democracy, Postmodern Society – Nature and Characteristics, Culture – Meaning and elements, Meaning, stages and agencies of socialisation.
January	Structural aspects of social system – Institutions, groups, subgroups, roles, norms and values, Social change – Its sources – Internal and External, Types of Social Change – Changes in social values with reference to pattern variables, changes in occupational structure and demographic changes
February	Definition, Nature, Scope and Applications of Psychology. Methods: ,Contemporary Perspectives: Biological, Cognitive, Psychoanalytical, Humanistic, Evolutionary and Cross-cultural. Biological Bases of Behaviors: Evolution, Genes and Behaviors. The Response Mechanism, Functions and Divisions of the Peripheral and Central Nervous System.
March	Introduction: Nature and Scope; Methods of Studying Social Behaviour: Observation, Experimental, Field Study, Survey, Sociometry and Cross-cultural. Socialization: Agents and Mechanisms, Socialization and Deviation. Perceiving Others: Forming Impressions; Role of Non-verbal Cues, Group stereotypes, Central Traits; Primary and Recency , Effects; Models of Information Integration; Attribution of Causality: - Biases and Theories.

  
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Name of Teacher : Prof. Jayashree Patil

Dept.: BBA

Subject / Paper : Principles of Operations Management

Class: BBA V Sem

Month	Topics to be covered
August	Introduction to Operations Management, its Nature, Scope, Importance and Functions. Difference between production, manufacturing and service. Concept and types of production, mass, job-based, batch and assembly line production system. Types of services Factors affecting plant location, types of plant layouts – product layout, process layout, fixed position layout, cellular layout, types of service layouts.
September	Concept of production planning, definitions of capacities, master production schedule, material planning. Introduction to maintenance. Scope of materials management, Purchase and Stores Functions, Introduction to warehouse management, Concept of Lead time, re-order level, minimum and maximum stock, Basic concepts of Inventory management, inventory costs, ordering and carrying cost.
October	Introduction to quality, dimensions of quality, concept of product, process and service quality. Introduction to Quality Management System, concept of TQM, ISO, Kaizen, Quality circles, Six-sigma. Concepts of productivity, machine, labour and cost productivity.

*J. Patil*  
HOD/Co-ordinator  
BBA Department  
N.M.V. Katol



NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN- 2021-22

To be submitted to the Teacher Appraisal Committee

Name of Teacher : Prof. Jayashree Patil

Dept.: BBA

Subject / Paper : Fundamentals of Human Resource Management

Class: BBA VI Sem

Month	Topics to be covered
December	Introduction, Concept, HRM ; Evolution of HRM; Challenges of HRM; Role of Human Resource Management in strategic management, Characteristics of Workforce today
January	Concept and Introduction, Importance, process – methods of performance appraisal – Traditional & Modern Methods.
February	Concept, objectives and methods of Job Evaluation, Wages & Salary, components of employee remuneration – base and supplementary. Wages & Salary Administration
March	Introduction to Provident Fund Act, Employee State Insurance Corporation Act, Minimum Wages Act, Industrial Relations Act, Industrial Dispute Act. examination

*Handwritten Signature*  
HOD/Co-ordinator  
BBA Department  
N.M.V. Katol

NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN- 2021-22

To be submitted to the Teacher Appraisal Committee

Name of Teacher : Prof. Jayashree Patil

Dept.: BBA

Subject / Paper : Advanced Human Resource Management

Class: BBA VI Sem

Month	Topics to be covered
August	Job Analysis & Design - Job Analysis – Meaning, Uses, Competency approach to job analysis, Job Description, Job Specifications & Role Analysis, Factors affecting Job Design, Techniques of Job Design, Cases and Exercises in understanding Job Analysis. Job Evaluation –Concept, objective & methods. Nature, Objectives of Performance Appraisal, Performance Planning and Potential Appraisal, Pitfalls of Appraisal, Praise and Recognition;
September	Rewards and Incentives; Promotions. HR Records, MIS HR Reports, HR Formats – Personnel Files, Attendance, Leave, Medical Records. Nature, Concept, scope, objectives & significance of Industrial Relations, Trade unions, Functions of Trade Unions - Forms of collective bargaining – Workers participation in management, Nature & causes of Industrial Dispute and Settlement of Industrial Disputes.
October	Goal Setting, Promotions and Transfers; Separations- Retirement, VRS, Deputation, Death, Retrenchment, Pink Slips, Competency Mapping, Employee Manual / PPP Handbook. Concept of Retention and Attrition. Online recruitment; Employee referrals; Recruitment process outsourcing Head hunting; Downsizing; Voluntary retirement schemes (VRS) HR outsourcing, Job Rotation & Transfer

*Jayashree Patil*

HOD/Co-ordinator  
BBA Department  
N.M.V. Katol

NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN- 2021-22

To be submitted to the Teacher Appraisal Committee

Name of Teacher : Prof. Jayashree Patil

Dept.: BBA

Subject / Paper : Principles of Marketing Management

Class: BBA- II Sem

Month	Topics to be covered
November	Definition, nature, scope & importance, Marketing Management, Core concepts of marketing, selling concept, production concept, modern marketing concept.
December	Concept, basis of segmentation, Importance in marketing; Targeting : Concept Types, Importance; Positioning: Concept, Importance, Brand positioning, Repositioning
January	Product : Product Mix, New Product development, levels of product, types of product, Product life cycle, Branding and packaging, different types of distribution channels
February	Meaning, objective, factors influencing pricing, methods of pricing. Promotion :Promotional mix, tools, objectives, media selection & management. Process & Scope Marketing Information Systems : Meaning Importance and Scope Consumer Behaviour : Concept, Importance and Factors influencing consumer behaviour

*Handwritten Signature*  
HOD/Co-ordinator  
BBA Department  
N.M.V. Katol

NABIRA MAHAVIDYALAYA, KATOL

NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN-2021-22

To be submitted to the Teacher Appraisal Committee

Name of Teacher

: Prof. Jayashree Patil

Dept.: BBA

Subject / Paper

: Environment Management

Class.: BBA III Sem

Month	Topics to be covered
August	Introduction to Environment Management: Definition, Scope importance, Need for public awareness, sustainable development. Natural Resources-renewable and non-renewable resources, role of individual in conservation of natural resources( Forest, water, land, energy, mineral), Environment Pollution: Types of pollution- air, water, soil, noise, thermal and Nuclear, causes effect and control measures
September	Global warming, green house effect, Ozone layer depletion, Acid rains, Human Population: Global population growth, variations among nations, Population explosion- causes and impact
October	Family welfare Programs-methods of sterilization; Infectious diseases, water related diseases, risk due to chemicals in food, Cancer and environment, Social Issues in Environment: Construction of dams: problems and concerns of resettlement, rehabilitation of affected people
November	Environmental ethics- issues and possible solutions, resource consumption patterns and need for equitable utilization; Equity disparity in western and eastern countries; Urban and rural equity issues; Need for gender equity. Viva voce , Examination

*Jaya*  
HOD/Co-ordinator  
BBA Department  
N.M.V. Katoj

NABIRA MAHAVIDYALAYA, KATOL

PROFORMA OF TEACHING PLAN- 2021-22

To be submitted to the Teacher Appraisal Committee

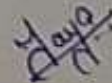
Name of Teacher : Prof. Jayashree Patil

Dept.: BBA

Subject / Paper : Fundamentals of Human Resource Management

Class: BBA IV Sem

Month	Topics to be covered
December	Introduction, Concept, HRM ; Evolution of HRM; Challenges of HRM; Role of Human Resource Management in strategic management, Characteristics of Workforce today
January	Concept and Introduction, Importance, process – methods of performance appraisal – Traditional & Modern Methods.
February	Concept, objectives and methods of Job Evaluation, Wages & Salary, components of employee remuneration – – base and supplementary. Wages & Salary Administration
March	Introduction to Provident Fund Act, Employee State Insurance Corporation Act, Minimum Wages Act, Industrial Relations Act, Industrial Dispute Act. examination



HOD/Co-ordinator  
BBA Department  
N.M.V. Katol

**NABIRA MAHAVIDYALAYA, KATOL**

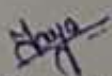
**BBA DEPARTMENT**

**UNIT TEST-1**

**Time Table (2021-22)**

**Time: 09.30 to 11.00 am**

DATE	DAY	SEMESTER	SUBJECT
26/10/21	TUESDAY	I	ENGLISH
27/10/21	WEDNESDAY	I	FBM
28/10/21	THURSDAY	I	CAB
29/10/21	FRIDAY	I	CA/C
26/10/21	TUESDAY	II	PFM
27/10/21	WEDNESDAY	II	BST
28/10/21	THURSDAY	II	EB&CG
29/10/21	FRIDAY	II	EM
26/10/21	TUESDAY	III	ED
27/10/21	WEDNESDAY	III	POM
28/10/21	THURSDAY	III	IBM
29/10/21	FRIDAY	III	RM

  
HOD/Co-ordinator  
BBA Department  
N.M.V. Katol

**NABIRA MAHAVIDYALAYA, KATOL**

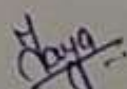
**BBA DEPARTMENT**

**UNIT TEST- 2**

**Time Table (2021-22)**

**Time: 10.00 to 11.30 am**

DATE	DAY	SEMESTER	SUBJECT
22/03/22	TUESDAY	I	PMM
23/03/22	WEDNESDAY	I	FMA
24/03/22	THURSDAY	I	MEF
25/03/22	FRIDAY	I	ENGLISH
22/03/22	TUESDAY	II	PHRM
23/03/22	WEDNESDAY	II	MBF
24/03/22	THURSDAY	II	IS&P
25/03/22	FRIDAY	II	BL
22/03/22	TUESDAY	III	FBM (ELE I)
23/03/22	WEDNESDAY	III	FSM (ELE II)
24/03/22	THURSDAY	III	FMM (ELE I)
25/03/22	FRIDAY	III	AMM (ELE II)

  
HOD/Co-ordinator  
BBA Department  
N.M.V. Katol

# Department of Management Studies

Nabira Mahavidyalaya, Katol, Dist. Nagpur

## ONLINE TIME TABLE

w.e.f.: 11 Jan. 2022

MBA - I (Semester - I)		Academic Year 2021 -2022			
Day / Time	10:15 am to 11:00 am	11:10 am to 11:55 am	12:05 pm to 12:50 pm	1:00 pm to 1.45 pm	
<b>Mon</b>	Legal & Business Environment (AAJ)	Financial Reporting Statement & Analysis (PSM)	Organization Behavior (ASC)	Business Research (ASD)	
<b>Tue</b>	Legal & Business Environment (AAJ)	Financial Reporting Statement & Analysis (PSM)	Organization Behavior (ASC)	Business Research (ASD)	
<b>Wed</b>	Legal & Business Environment (AAJ)	Financial Reporting Statement & Analysis (PSM)	Organization Behavior (ASC)	Business Research (ASD)	
<b>Thu</b>	Managerial Economics (PSM)	Management Information System (HLV)	Business Statistics & Analytics for Decision Making (ASD)	Managerial Skills for Effectiveness (ASC)	
<b>Fri</b>	Managerial Economics (PSM)	Management Information System (HLV)	Business Statistics & Analytics for Decision Making (ASD)	Managerial Skills for Effectiveness (ASC)	
<b>Sat</b>	Managerial Economics (PSM)	Management Information System (HLV)	Business Statistics & Analytics for Decision Making (ASD)	Managerial Skills for Effectiveness (ASC)	

Name of Faculty Member	Abbreviation	Name of Faculty Member	Abbreviation
Dr. Hitesh Vaswani	(HLV)	Dr. Atul Charde	(ASC)
Dr. Pradip Mahajan	(PSM)	Dr. Atul Daware	(ASD)
Dr. Adil Jiwani	(AAJ)		

*Pradip S. Mahajan*

(Dr. Pradip S. Mahajan)  
Time Table Incharge

*Dr. S. K. Navin*

(Dr. S. K. Navin)  
Principal

Department of Management Studies  
Nabira Mahavidyalaya, Katol



Department of Management Studies  
Nabira Mahavidyalaya, Katol, Dist. Nagpur  
TIME TABLE

w.e.f.: 07<sup>th</sup> Feb. 2022

MBA - I (Semester - I)		Academic Year 2021-22						
Day / Time	10 am to 11 am	11 am to 12 noon	12 noon to 1 pm	1 pm to 1:30 pm	1:30 pm to 2:30 pm	2:30 pm to 3:30 pm	3:30 pm to 4:30 pm	
<b>Mon</b>	Managerial Economics (PSM)	Organizational Behaviour (ASC)	Business Statistics & Analytics for Decision Making (ASD)	<b>R E C E S S</b>	Legal & Business Environment (AAJ)	ROLE PLAY (ASC)	READING IN LIBRARY	
<b>Tue</b>	Managerial Economics (PSM)	Organizational Behaviour (ASC)	Business Statistics & Analytics for Decision Making (ASD)		Legal & Business Environment (AAJ)	PERSONALITY DEVELOPMENT (HLV)		
<b>Wed</b>	Managerial Economics (PSM)	Organizational Behaviour (ASC)	Business Statistics & Analytics for Decision Making (ASD)		Legal & Business Environment (AAJ)	MANAGEMENT GAME (PSM)	COMPUTER LAB	
<b>Thu</b>	Financial Reporting, Statements & Analysis (PSM)	Management Information Systems (HLV)	Business Research (ASD)		Managerial Skills for Effectiveness (ASC)	GROUP DISCUSSION (ASD)		
<b>Fri</b>	Financial Reporting, Statements & Analysis (PSM)	Management Information Systems (HLV)	Business Research (ASD)		Managerial Skills for Effectiveness (ASC)	Managerial Skills for Effectiveness (ASC)	PRESENTATION (AAJ)	
<b>Sat</b>	Financial Reporting, Statements & Analysis (PSM)	Management Information Systems (HLV)	Business Research (ASD)		SATURDAY ACTIVITIES			

Name of Faculty Member	Abbreviation	Name of Faculty Member	Abbreviation
Dr. Hitesh Vaswani	(HLV)	Dr. Atul Charde	(ASC)
Dr. Pradeep Mahajan	(PSM)	Dr. Atul Daware	(ASD)
Dr. Adil Jiwani	(AAJ)		



*(Signature)*  
**(Dr. Pradip S. Mahajan)**  
Time Table Incharge

*(Signature)*  
**(Dr. S. K. Navin)**

**Principal**  
Department of Management Studies  
Nabira Mahavidyalaya, Katol

Department of Management Studies  
NabiraMahavidyalaya, Katol, Dist. Nagpur

**TIME TABLE**

w.e.f.: 21<sup>st</sup> Feb. 2022

<b>MBA - II (Semester - IV)</b>		<b>Academic Year 2021 - 2022</b>					
Day/ Time	10 am to 11 am	11 am to 12 noon	12 noon to 1 pm	1 pm to 1:30 pm	1:30 pm to 2:30 pm	2:30 pm to 3:30 pm	3:30 pm to 4:30 pm
<b>Mon</b>	Retail Sales Management & Services Marketing (AAJ)	Managing Banks and Financial Institutions (HLV/PSM)	Financial Module Training (AAJ)	<b>R E C E S S</b>	Value Addition (HLV)	<b>COMPUTER LAB</b>	
<b>Tue</b>	Retail Sales Management & Services Marketing (AAJ)	Managing Banks and Financial Institutions (HLV/PSM)	Financial Module Training (AAJ)		Value Addition (ASC)		
<b>Wed</b>	Retail Sales Management & Services Marketing (AAJ)	Managing Banks and Financial Institutions (HLV/PSM)	Financial Module Training (AAJ)		Value Addition (ASD)		
<b>Thu</b>	Team Dynamics (ASD)	Training and Placement Activity (AAJ)	Skill Development (ASC)		Value Addition (PSM)		
<b>Fri</b>	Team Dynamics (ASD)	Training and Placement Activity (AAJ)	Skill Development (ASC)		Value Addition (AAJ)		
<b>Sat</b>	Team Dynamics (ASD)	Training and Placement Activity (AAJ)	Project Guidance (Respective Guide)		Project Guidance (Respective Guide)		<b>READING IN LIBRARY</b>

Name of Faculty Member	Abbreviation	Name of Faculty Member	Abbreviation
Dr. Hitesh Vaswani	(HLV)	Dr. Atul Charde	(ASC)
Dr. Pradip Mahajan	(PSM)	Dr. Atul Daware	(ASD)
Dr. Adil Jiwani	(AAJ)		



(Dr. Pradip S. Mahajan)  
Time Table Incharge



(Dr. S. K. Navin)  
Principal  
**Principal**

**Department of Management Studies,  
Nabira Mahavidyalaya, Katol.**

w.e.f.: 25<sup>th</sup> April 2022

MBA - I (Semester - II)		Academic Year 2021-22					
Day / Time	10 am to 11 am	11 am to 12 noon	12 noon to 1 pm	1 pm to 1:30 pm	1:30 pm to 2:30 pm	2:30 pm to 3:30 pm	3:30 pm to 4:30 pm
<b>Mon</b>	International Business (ASC)	Cost Accounting (PSM)	Financial Management (AAJ)	<b>R E C E S S</b>	Human Resource Management (ASD)	PERSONALITY DEVELOPMENT (HLV)	READING IN LIBRARY
<b>Tue</b>	International Business (ASC)	Cost Accounting (PSM)	Financial Management (AAJ)		Human Resource Management (ASD)	PRESENTATION (AAJ)	
<b>Wed</b>	International Business (ASC)	Cost Accounting (PSM)	Financial Management (AAJ)		Human Resource Management (ASD)	MANAGEMENT GAME (PSM)	COMPUTER LAB
<b>Thu</b>	Operations Management (ASD)	Marketing Management (ASC)	CSR & Sustainability (HLV)		Management Case Analysis (PSM)	ROLE PLAY (ASC)	
<b>Fri</b>	Operations Management (ASD)	Marketing Management (ASC)	CSR & Sustainability (HLV)		Management Case Analysis (PSM)	Management Case Analysis (PSM)	GROUP DISCUSSION (ASD)
<b>Sat</b>	Operations Management (ASD)	Marketing Management (ASC)	CSR & Sustainability (HLV)		<b>SATURDAY ACTIVITIES</b>		

Name of Faculty Member	Abbreviation	Name of Faculty Member	Abbreviation
Dr. Hitesh Vaswani	(HLV)	Dr. Atul Charde	(ASC)
Dr. Pradeep Mahajan	(PSM)	Dr. Atul Daware	(ASD)
Dr. Adil Jiwani	(AAJ)		

*Pradeep Mahajan*

(Dr. Pradip S. Mahajan)

Time Table Incharge

*Dr. S. K. Navin*

(Dr. S. K. Navin)

Principal

Department of Management Studies  
Nabira Mahavidyalaya, Katol, Dist. Nagpur

**TIME TABLE**

w.e.f.: 22<sup>nd</sup> November 2021

MBA - II (Semester - III)		Academic Year 2021-22					
Day / Time	10 am to 11 am	11 am to 12 noon	12 noon to 1 pm	1 pm to 1:30 pm	1:30 pm to 2:30 pm	2:30 pm to 3:30 pm	3:30 pm to 4:30 pm
<b>Mon</b>	Digital and Social Media Marketing (ASD)	Strategic Management (HLV)	Project Appraisal & Finance (PSM)		Manpower Planning, Recruitment & Selection (AAJ)	Performance Measurement System (ASC)	<b>READING IN LIBRARY</b>
<b>Tue</b>	Digital and Social Media Marketing (ASD)	Strategic Management (HLV)	Project Appraisal & Finance (PSM)	<b>R</b>	Manpower Planning, Recruitment & Selection (AAJ)	Performance Measurement System (ASC)	
<b>Wed</b>	Digital and Social Media Marketing (ASD)	Strategic Management (HLV)	Project Appraisal & Finance (PSM)	<b>E</b>	Manpower Planning, Recruitment & Selection (AAJ)	Performance Measurement System (ASC)	<b>COMPUTER LAB</b>
<b>Thu</b>	Integrated Marketing Communication & Brand Management (ASC)	Financial Derivatives (AAJ)	Investment Analysis & Portfolio Management (PSM)	<b>C</b>	Sales & Distribution Management (ASC)	Sales & Distribution Management (ASC)	Compensation and Benefits Management (ASD)
<b>Fri</b>	Integrated Marketing Communication & Brand Management (ASC)	Financial Derivatives (AAJ)	Investment Analysis & Portfolio Management (PSM)	<b>E</b>	Sales & Distribution Management (ASC)	Compensation and Benefits Management (ASC)	Compensation and Benefits Management (ASD)
<b>Sat</b>	Integrated Marketing Communication & Brand Management (ASC)	Financial Derivatives (AAJ)	Investment Analysis & Portfolio Management (PSM)	<b>S</b>	Sales & Distribution Management (ASC)	Compensation and Benefits Management (ASC)	Compensation and Benefits Management (ASD)
<b>SATURDAY ACTIVITIES</b>							

Name of Faculty Member	Abbreviation	Name of Faculty Member	Abbreviation
Dr. Hitesh Vaswani	(HLV)	Dr. Atul Charde	(ASC)
Dr. Pradip Mahajan	(PSM)	Dr. Atul Daware	(ASD)
Dr. Adil Jiwani	(AAJ)		



**(Dr. Pradip S. Mahajan)**  
Time Table Incharge



**(Dr. Sunilkumar Navin)**  
Principal

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Adil Jiwani

Course: M.B.A. Sem: III

Subject: FINANCIAL DERIVATIVES

Sr. No	Month	Unit	Topics	Remarks
1.	September	I	Introduction to Derivatives Trading and Settlement – Introduction to risk management, managing risk, types of business risks, derivatives and derivative products, classification of derivatives, participants in derivative market, functions of derivatives Trading of Derivatives Contracts Futures and Options Trading System, The Trader Workstation.	
2.	September	II	Equity Futures Derivatives and Trading Strategies– Types of Futures – On the basis of Maturity, On the basis of the underlying asset; Margining in the Futures market; Terminologies used in the Futures Market; Futures Pricing	
3.	October	III	Option Derivatives and Trading Strategies using options – Types of Options - Call Options, Put Options; Option Pay-Offs; Terminologies used in the Options Market; Option Pricing – Binomial Model and Black & Scholes Model	
4.	October	III	Swaps - Concept and Characteristics; Types of Swaps – Interest Rate Swaps and Currency Swaps; Structure of Interest Rate Swaps and Intermediated Interest Rate Swaps; Relation between Interest Rate Swaps and Forward Rate Agreements	
5.	November	IV	Foreign Exchange risk & Corporate Exposure Management – Types of Exposure – Transaction, Economic and Translation; Foreign Exchange Risk – Types, Risk Management Techniques – External and Internal. International portfolio diversification	

Dr. Adil Jiwani

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Adil Jiwani

Course: M.B.A. Sem: II

Subject: Financial Management

Sr. No	Month	Unit	Topics	Remarks
1.	February	I	Cost of Capital: Concept and Importance; Measurement of Specific Costs – Redeemable and Irredeemable Debt, Redeemable and Irredeemable Preference shares, Computation of Overall Cost of Capital	
2.	March	II	Leverage: Operating, Financial and Combined Leverage; EBIT-EPS Analysis; Indifference Level of EBIT and Financial Break-even Analysis.	
3.	March	III	Capital Budgeting: Concept of Capital budgeting, Discounted and Non-discounted Cash Flow Techniques – NPV, IRR, PI, Discounted PBP, ARR & PBP.	
4.	April	III	Working Capital Management: Concept of Gross and Net Working Capital, Estimation and Calculations of Working Capital requirements	
5.	April	IV	Dividend Policy: Walter's Model; Gordon's Model and MM Hypothesis for Dividend Policy and Firm Valuation, Determinants and constraints of dividend decision	

Dr. Adil Jiwani

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Adil Jiwani

Course: M.B.A. Sem: I

Subject: Legal & Business Environment

Sr. No	Month	Unit	Topics	Remarks
1.	September	I	Concept of Law. Nature of contract and essential elements of valid contract, Offer and Acceptance, Consideration, Capacity to contract and free consent, Legality of object. Unlawful and illegal agreements, Contingent contracts, Performance and discharge of contracts, Conciliation : Meaning , Procedure and Effect	
2.	September	II	Definition & characteristics of a company, Types of Companies, Provisions relating to incorporation:, Doctrine of indoor management & constructive notice, Management – Appointment of Directors. Company meetings. Operation and Mismanagement.	
3.	October	III	IPR Types, overview and Definitions. Patents. Copyright, Trademark, Design, Difference between Copyright and Design. Piracy of registered design. Trade Secrets, meaning and Essentials. Advantages and Disadvantages of Trade Secrets.	
4.	October	III	Definitions of Consumer, Goods, Service, Defect and Deficiency, Unfair Trade Practices, Restrictive Trade Practices, Rights of Consumers, Relief available against complaint, Consumer Protection Councils. Remedies under act.	
5.	November	IV	Socio-Political Environment: Economic System, Financial System, Economic Policies, Constituents of Political Environment. Freedom of Trade and Reasonable Restrictions. Economic role of Government. Demographic Structure of India. Socio Cultural Environment of India.	

Dr. Adil Jiwani

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. ATUL S CHARDE  
 BEHAVIOUR

Course: M.B.A.

Sem: I

Subject: ORGANIZATIONAL

Sr. No	Month	Unit	Topics	Remarks
1.	August	I	<b>Organisation Design:</b> Understanding organizations-Basics of an organizational design- Organization and stakeholders-Organizations and environmental influences	
2.	August	I	Organizational strategy-Organizational design - Alternative structures-	
3.	August	I	<b>Management process</b> - Authority and Responsibility Relationship; organizational control mechanisms; Organizational decision making	
4.	August	II	<i>Organisational Behaviour:</i> Introduction, Foundations of individual behavior	
5.	August	II	Ability, Attitudes	
6.	September	II	Job Satisfaction, Personality, Values , Perception	
7.	September	III	<b>Motivation-</b> Concept, types of motivation and Theories-Maslow, Herzberg,Mc Gregor	
8.	September	III	<b>Leadership-</b> Concept, Leadership styles and Theories- Trait Theory,	
9.	October	III	Path Goal Theory, Blake Mouton-Managerial Grid	
10.	October	IV	<b>Group and Team Behavior-Foundations of Group behavior</b> -Group development; Group properties: Roles, norms, status, size and cohesiveness,	
11.	October	IV	Group decision making, Techniques, <b>Teams</b> -Type and Team Dynamics	
12.	October	IV	<b>Conflict and Change</b> -Understanding organizations- Managing organizational culture, Managing organizational conflict, power & politics ;Organizational life cycle and	

Total Number Teaching days: \_\_\_\_\_ Whether Course is completed? Yes / No Whether extra classes required? Yes / No If yes, How many classes?  
 \_\_\_\_\_

Signature of Faculty



**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: **Dr. ATUL S CHARDE**

Course: **M.B.A.**

Sem: **II**

Subject: **INTERNATIONAL BUSINESS**

Sr. No	Month	Unit	Topics	Remarks
1.	January	I	Introduction to International business, its importance and various concepts involved in it such	
2.	February	I	various tariff and non tariff barriers,	
3.	February	I	regional trading blocs and types of trade agreements.	
4.	February	II	Modes of entry into International Business, Internationalization process and managerial implications case studies related to internationalization process	
5.	February	II	International business approaches: ethnocentric, polycentric, regiocentric, geocentric.	
6.	March	II	Various Macro factors affecting International Business Environment:	
7.	March	III	Political, Economical, Socio-cultural, Technological, Environmental and Legal factors.	
8.	March	III	Various Government Institutes supporting foreign trade and their role:	
9.	April	III	DGFT, Export Promotion Council, ECGC, SEZs, EPZs and EOUs, EXIM Bank and FEMA	
10.	April	IV	Distribution channel intermediaries; Channel management decisions; Retailing and wholesaling.	
11.	April	IV	Drivers of FDI, Flow of FDI in India , EXIM Policy of India Direction of India's Foreign Trade (imports and exports scenario)	
12.	April	IV	Role of RBI in exchange rate management	

Total Number Teaching days: \_\_\_\_\_ Whether Course is completed? Yes / No Whether extra classes required? Yes / No If yes, How many classes?

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. ATUL S CHARDE

Course: M.B.A.

Sem: II

Subject: MARKETING MANAGEMENT

Sr. No	Month	Unit	Topics	Remarks
1.	January	I	<b>Introduction:</b> Concept, nature, scope and importance of marketing; Marketing concept and its evolution;	
2.	February	I	Marketing mix; Marketing environment – macro and micro components	
3.	February	I	their impact on marketing decisions; Market segmentation and positioning	
4.	February	II	<b>Product Decisions:</b> Concept of a product; Classification of products; levels of product, Major product decisions;	
5.	February	II	Product line strategies and product mix strategies; Product life cycle – strategic implications;	
6.	March	II	New product development and consumer adoption process. Packaging and labelling.	
7.	March	III	<b>Pricing Decisions:</b> Pricing objectives, Factors affecting price determination;	
8.	March	III	Pricing policies methods and strategies, Initiating and responding to price change	
9.	April	III	<b>Distribution Channels and Physical Distribution Decisions:</b> Nature, functions, and types of	
10.	April	IV	Distribution channel intermediaries; Channel management decisions; Retailing and wholesaling.	
11.	April	IV	<b>Promotion Decisions:</b> Communication Process; Promotion mix – advertising, personal selling, sales promotion, publicity and public relations;	
12.	April	IV	Determining advertising budget; Copy designing and testing; Media selection; Advertising effectiveness;	

Total Number Teaching days: \_\_\_\_\_ Whether Course is completed? Yes / No Whether extra classes required? Yes / No If yes, How many classes?

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Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. ATUL S. CHARDE Course: M.B.A. Sem: III Subject: COMPENSATION AND BENEFITS MANAGEMENT

Sr. No	Month	Unit	Topics	Remarks
1.	August	I	Job Evaluation / Grade Structure - a. Purpose and Methods of Job Evaluation, Ranking Systems, Job Classification / Grading method	
2.	August	I	Points System, Factor Comparison Method, Packaged Point Plans, Implementation,	
3.	August	I	Job evaluation approach to compensation management	
4.	August	II	Compensation Planning – Concept of Minimum Wage ,Fair wage, Living Wage , Nature and objectives	
5.	September	II	Wages, Wage Fixation, wage fixation institutions in India, Wage differentials, Wage Plans – Rowan /Halsey; Components of Compensation –Base compensation –	
6.	September	II	Perks, Fringe Benefits, Pay for Performance – Incentives; Bonuses- concept & methods of calculation	
7.	September	III	Strategic Perspective of Compensation – Aligning compensation strategy with Business strategy,	
8.	September	III	Competency Based Compensation program, Managing Compensation; Compensation as a retention strategy.	
9.	October	III	Incentive Plans and Fringe Benefits- Characteristics, benefits and types of Incentive Plans, Profit/Gain Sharing	
10.	October	IV	Concept and issues; Fringe benefits – Concept, need & objectives of fringe benefits, Fringe benefits in India.	
11.	October	IV	Statutory Provisions related to Compensation - Payment of Wages Act 1936, Minimum Wages Act 1948, Payment of Bonus Act 1965,	
12.	October	IV	Employees State Insurance Act 1948, Employees Provident Fund Act 1952, Payment of Gratuity Act 1972	

Total Number Teaching days: \_\_\_\_\_ Whether Course is completed? Yes / No Whether extra classes required? Yes / No If yes, How many classes?

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: **Dr. ATUL S CHARDE**

Course: **M.B.A. Sem: III**

Subject: **IMC and BRAND MANAGEMENT**

Sr. No	Month	Unit	Topics	Remarks
1.	August	I	Marketing Communication: Introduction, Objectives, using MC to build brand, Introduction to IMC: concepts, IMC partners & industry organisation.	
2.	August	I	How brand communication works, How brand decision makers respond to MC messages. IMC planning process	
3.	August	I	Creating Sending & Receiving IMC messages - How to develop creative message strategy, how to get a big idea; Message execution.	
4.	August	II	Media planning : Media classifications, Advertising & IMC Media Planning, consumer sales promotion,	
5.	September	II	trade promotion, Personal selling ,Public relations, direct marketing, event marketing and customer services; Evaluating IMC campaigns	
6.	September	II	Brand Management & Brand Equity: Meaning, Scope of Brand, Brand Management	
7.	September	III	Branding Challenges & opportunities. Strategic Brand Management - need & process. Identifying & Establishing	
8.	September	III	Brand Positioning & Values-Brand Equity, customer based brand equity, brand positioning.	
9.	October	III	Planning & implementing brand marketing program, Measuring & implementing brand performance	
10.	October	IV	Distribution channel intermediaries; Channel management decisions; Retailing and wholesaling.	
11.	October	IV	<b>Supply Chain Management</b> - concept - significance - components - Order processing - Material Handling - Transportation - Warehousing - Inventory Management -	
12.	October	IV	<b>E-commerce and e-retailing</b> - E-commerce and e-retailing as a channel of distribution, Electronic intermediaries, Disintermediation and Re-intermediation, e-enabled logistics	

Total Number Teaching days: \_\_\_\_\_ Whether Course is completed? Yes / No Whether extra classes required? Yes / No If yes, How many classes?

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. ATUL S CHARDE  
MANAGEMENT

Course: M.B.A. Sem: III

Subject: SALES AND DISTRIBUTION

Sr. No	Month	Unit	Topics	Remarks
1.	August	I	<b>Introduction to Sales Management</b> - Definition and meaning, Objectives, Sales Research, Sales Forecasting,	
2.	August	I	Sales Forecasting methods, Sales Planning and control: Goal setting,	
3.	August	I	Performance measurement, diagnosis and corrective actions, Estimating market and Sales Potentials	
4.	August	II	<b>Sales Organisation</b> - Setting up a sales organization, Personal Selling, Management of Sales force,	
5.	September	II	Recruitment & Selection, Training, Motivation and Evaluation,	
6.	September	II	Compensating Sales Force, Territory Management, Sales Budget, Sales Quota.	
7.	September	III	<b>Physical Distribution</b> - Definition, Importance - participants in physical	
8.	September	III	distribution process - Different forms of channels - Functions of Marketing Channels, Unconventional channels - Channel Intermediaries	
9.	October	III	Wholesaling and Retailing , Channels for Consumer goods, Industrial Goods & Services - Integrated Marketing Channels -	
10.	October	IV	Distribution channel intermediaries; Channel management decisions; Retailing and wholesaling.	
11.	October	IV	<b>Supply Chain Management</b> - concept - significance - components - Order processing - Material Handling - Transportation - Warehousing - Inventory Management -	
12.	October	IV	<b>E-commerce and e-retailing</b> - E-commerce and e-retailing as a channel of distribution, Electronic intermediaries, Disintermediation and Re-intermediation, e-enabled logistics	

Total Number Teaching days: \_\_\_\_\_ Whether Course is completed? Yes / No Whether extra classes required? Yes / No If yes, How many classes?

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. ATUL S. CHARDE Course: M.B.A. Sem: IV Subject: RETAIL SALES MANAGEMENT & SERVICES MARKETING

Sr. No	Month	Unit	Topics	Remarks
1.	February	I	<i>Introduction to Retailing:</i> Introduction, Meaning of Retailing, Economic Significance of Retailing, Retailing Management Decision Process, Product Retailing vs. Service Retailing,	
2.	February	I	Retailing Environment, Indian vs. Global Scenario <i>Retail Marketing Environment-</i> In Elements in a Retail Marketing Environment, Environmental Issues <i>The</i>	
3.	February	I	Segmentation in Retail, Targeted Marketing Efforts, Criteria for Effective Segmentation, Dimensions of Segmentation, Positioning Decisions	
4.	February	II	Store Location and Layout: Introduction, Types of Retail Stores Location, Factors Affecting Retail Location Decisions, Country/Region Analysis, Trade Area Analysis, Site Evaluation, Site Selection	
5.	March	II	Location Based Retail Strategies Retail Marketing Strategies: Introduction, Target Market and Retail Format, Strategy at different levels of Business, Building a Sustainable Competitive Advantage, the	
6.	March	II	Strategic Retail Planning Process, Retail Models, Retail “EST” model ,the Strategic Retail Planning Process, Differentiation Strategies, Positioning Decisions	
7.	March	III	Retail Merchandising: Introduction, Understanding Merchandising Management, Activities of a Merchandiser, Retail Merchandising Management Process Private Branding in Retail-Introduction,	
8.	March	III	Difference between a Store/Private, Brand and a National Brand, Growth Drivers of Private Label, Global Scenario of Private Labels, Indian Market Scenario, Advantages of Private Label,	
9.	April	III	Selection- concept, Selection Process, use of Psychological tests, Types of tests, Psychometric tests, online test, Importance of tests, Interviews- interviewing skills, Evaluation of Selection Programs,	
10.	April	IV	Integrated Marketing Communication in Retail, Customer Relationship Management in Retailing- Components of CRM, CRM and Loyalty Program, Technology in Retail Marketing Decisions	
11.	April	IV	Services Marketing Introduction, concept and evolution of services marketing, meaning of service marketing, myths encountered in services, need for service marketing, and growth in Services	
12.	April	IV	Integrated Services Marketing: Introduction, meaning and Importance, Features of Integrated Service Marketing, Integrated Marketing Communication for Service, Reasons for growing importance of	

Total Number Teaching days: \_\_\_\_\_ Whether Course is completed? Yes / No Whether extra classes required? Yes / No If yes, How many classes?

Signature of Faculty



**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Atul S. Daware

Course: M.B.A.

Sem: I Subject: Business Research

Sr. No	Month	Unit	Topics	Remarks
1.	August	I&II	Theory Building and Research Proposal & Sampling Design	
2.	September	III & IV	Measurement and scaling Techniques & Methods of Data Collection	
3.	October	V	Interpretation and Report Writing	

Signature of Faculty



**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Prof. Atul S. Daware

Course: M.B.A.

Sem: I Subject: Business Statistics & Analytics for Decision Making

<b>Sr. No</b>	<b>Month</b>	<b>Unit</b>	<b>Topics</b>	<b>Remarks</b>
<b>1.</b>	<b>August</b>	<b>I &amp; II</b>	<b>Measures of dispersion (Variation) and Symmetry &amp; Measures of Association</b>	
<b>2.</b>	<b>September</b>	<b>III &amp; IV</b>	<b>Probability and Hypothesis Testing</b>	
<b>3.</b>	<b>October</b>	<b>V</b>	<b>Business Analytics</b>	

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Atul S. Daware

Course: M.B.A.

Sem: II Subject: Human Resource Management

Sr. No	Month	Unit	Topics	Remarks
1.	February	I&II	Introduction, Nature, scope, objectives, importance and functions of HRM & Job Analysis	
2.	March	III & IV	Human Resources Planning & Introduction of Training	
3.	April	V	Performance Appraisal	

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Atul S. Daware Course: M.B.A. Sem: III Subject: MANPOWER PLANNING, RECRUITMENT AND SELECTION

Sr. No	Month	Unit	Topics	Remarks
1.	August	I&II	Manpower Planning & Manpower Forecasting	
2.	September	III & IV	Developing a Manpower Plan & Recruiting & Selecting Human Resources	
3.	October	V	Recent Trends in Manpower Planning	

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Atul S. Daware Course: M.B.A. Sem: III Subject: PERFORMANCE MEASUREMENT SYSTEM

Sr. No	Month	Unit	Topics	Remarks
1.	August	I&II	Introduction to Performance Management & Process of Performance Management	
2.	September	III & IV	Performance Appraisal & Models for Assessing Performance	
3.	October	V	Ethics in Performance Appraisal	

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Atul S. Daware Course: M.B.A. Sem: IV Subject: TEAM DYNAMICS

Sr. No	Month	Unit	Topics	Remarks
1.	February	I&II	Motivation & Interpersonal Communication	
2.	March	III & IV	Group and Team Decision making & Conflict Management	
3.	April	V	Strategies for Team building and OD	

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Atul S. Daware Course: M.B.A. Sem: III Subject: INTEGRATED MARKETING COMMUNICATION AND BRAND

MANAGEMENT

Sr. No	Month	Unit	Topics	Remarks
1.	August	I&II	Marketing Communication: Introduction & Creating Sending & Receiving IMC messages	
2.	September	III & IV	Media planning & Brand Management and Brand Equity	
3.	October	V	Planning & implementing brand marketing program	

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Atul S. Daware

Course: M.B.A.

Sem: II Subject: Operations Management

Sr. No	Month	Unit	Topics	Remarks
1.	February	I&II	Introduction: Concept of Operations Management & PPC - Concept of Production Planning and Control	
2.	March	III & IV	Maintenances Management & Materials Management	
3.	April	V	Industrial Engineering	

Signature of Faculty

**Department of Management Studies  
Nabira Mahavidyalaya, Katol**

**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Hitesh Vaswani

Course: MBA Sem: I

Subject: MIS

Sr. No	m	Module	Topics	Remarks
1.	August	I	Concepts & Types of Information Systems. Components of MIS, Information Activities. Strategic Management of Business. Balance Score Card. Scorecard and Dashboard. Measures of business operations and business performance. Steps for strategic design of MIS.	
2.	September	II	Application of MIS in Manufacturing Sector: Model of Information Processing System. Application of Model to personnel Management, financial management, production management, marketing management.	
3.	Oct.	III	Introduction to service sector, creating distinctive service, service concept, service process cycle, service management system, MIS application in service industry – banking and insurance.	
4.	Nov.	IV	ERP Systems, Models of business functions integration. ERP model and modules. Business organization model. ERP product characteristics. Benefits of ERP. ERP product evaluation. ERP implementation. SCM & CRM. EMS Model.	If university exams comes early, syllabus will be covered by taking extra classes.
5.	Nov.	V	Technology of Information systems. Introduction, data processing, Transaction processing. Application processing, information system process, OLAP, TQM of Information system. Real Time Systems. Case tools and I-CASE.	

Signature :

Name :



**Department of Management Studies  
Nabira Mahavidyalaya, Katol**

**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Hitesh Vaswani

Course: MBA Sem: III

Subject: Strategic Management

Sr. No	Month	Module	Topics	Remarks
1.	August	I	<b>Introduction to Strategic Management and Business Policy</b> – Evolution of strategic management and business policy, understanding strategy, strategic decision making, schools of thought of strategy formation, introduction to strategy management	
2.	September	II	<b>Strategic Intent and Strategy Formulation-</b> Vision, Mission and Values, Organisational Values and their impact on strategy, preparation of vision and mission statement, organizational objectives, Environmental Appraisal, Concept of environment, SWOT Analysis, Environmental Sectors, Environmental Scanning	
3.	Oct.	III	<b>Corporate Level Strategies</b> – Strategy formulation, Growth Strategy, Corporate Parenting, Portfolio and other analytical models, short term corporate strategies	
4.	Oct.	IV	<b>Competitive Strategy/ Business Level Strategy-</b> Porter's competitive strategies, Resource based theory, Competing for tomorrow's market.	
5.	Nov.	V	<b>Functional and Operational Implementation</b> – Functional Strategy, Financial Plans and	

			Policies, Marketing Plans and Policies, Personnel Plans and Policies, Operational Plans and Policies , <b>Strategy Evaluation and Selection Techniques</b> – Evaluation of Strategy, Assessing suitability, Life Cycle Analysis, Positioning, Value Chain Analysis, Business Profile, Gap Analysis	
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Signature :

Name :

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Pradip S. Mahajan      Course: M.B.A.      Sem: II      Subject: Cost Accounting

Sr. No	Month	Unit	Topics	Remarks
1.	January	I	<b>Conceptual framework of Cost Accounting:</b> Unit & Output Costing - Preparation of Cost Sheet and Tender/ Quotations.	
2.	February	II	<b>Marginal Costing And Profit Volume Relationship And Decision Making:</b> Break-even-analysis: Application of BEP for various Business problems	
3.	March	III & IV	<b>Operating Costing:</b> Concept of operating Costing Features of operating costing: Transport costing, Canteen, Hospital and hotels costing. <b>Budgeting and Budgetary Control:</b> Techniques of Financial statement Analysis	
4.	April	V	<b>Standard Costing &amp; Variance Analysis:</b> Introduction, Meaning and limitations of Standard Costing. Variance Analysis & Direct labour Variance	

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Pradip S. Mahajan      Course: M.B.A.      Sem: I      Subject: Financial Reporting, Statements And Analysis

Sr. No	Month	Unit	Topics	Remarks
1.	August	I & II	<b>Accounting Standards:</b> Introduction to Indian Accounting Standards AS2, AS3, AS6, AS10 <b>Financial Statement Reporting I:</b> Final Account As per Companies Act 2013	
2.	September	III	<b>Financial Statement Reporting II:</b> Cash Flow Analysis (As per Companies Act 2013)	
3.	October	IV	<b>Analysis of Financial Statement I:</b> Ratio Analysis	
4.	November	V	<b>Analysis of Financial Statement II:</b> Techniques of Financial statement Analysis	

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Pradip S. Mahajan      Course: M.B.A.      Sem: III      Subject: Investment Analysis & Portfolio Management

Sr. No	Month	Unit	Topics	Remarks
1.	August	I & II	<b>FIXED-INCOME VALUATION:</b> Bond Prices and the Time Value of Money, The Maturity Structure of Interest Rates. Yield Spreads <b>EQUITY VALUATION: CONCEPTS AND BASIC TOOLS.</b> Present Value Models, Multiplier Models, Asset-Based Valuation	
2.	September	III	<b>PORTFOLIO RISK AND RETURN – PART I:</b> Investment Characteristics of Assets, Portfolio Risk	
3.	October	IV	<b>PORTFOLIO RISK AND RETURN – PART II:</b> Efficient Frontier and Investor's Optimal Portfolio, Capital Market Theory, Pricing of Risk and Computation of Expected Return, Capital Asset Pricing Model.	
4.	November	V	<b>PORTFOLIO MANAGEMENT:</b> Performance evaluation – Sharpe Ratio, Treynor Ratio, Jensen's Alpha, Sortino Ratio and M2.	

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Pradip S. Mahajan

Course: M.B.A.

Sem: II Subject: Management Case Analysis

Sr. No	Month	Unit	Topics	Remarks
1.	January	I & II	<b>Introduction</b> – Persuasion, Augmentation and Case Method, What is a case?, How to Analyse a Case, Case Demonstration, Problems, Decisions and Evaluation <b>Cases on General Management and Strategic Management</b>	
2.	February	III	<b>Cases on Marketing Management</b>	
3.	March	IV	<b>Cases on Financial Management</b>	
4.	April	V	<b>Cases on Human Resource Management</b>	

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Pradip S. Mahajan

Course: M.B.A.

Sem: I Subject: Managerial Economics

Sr. No	Month	Unit	Topics	Remarks
1.	August	I & II	<b>Demand Analysis:</b> Demand, Elasticity of Demand, Demand Forecasting <b>Supply and Production Decisions:</b> Law of Supply, Theory of Production, Economies and Diseconomies of Scale	
2.	September	III	<b>Market Structure and Pricing Practices:</b> Analysis of Market Structures, Perfect Competition, Monopolistic Competition, Oligopoly, Monopoly	
3.	October	IV	<b>Macro-Economic Fundamentals:</b> Macro Economics, Inflation	
4.	November	V	<b>National Income and Business Cycle:</b> National Income, Overview of Business Cycle	

Signature of Faculty

**Department of Management Studies, Nabira Mahavidyalaya, Katol**  
**Tentative Teaching Plan - Academic Session 2021-22**

Name of Professor: Dr. Pradip S. Mahajan      Course: M.B.A.      Sem: III      Subject: Project Appraisal and Finance

Sr. No	Month	Unit	Topics	Remarks
1.	August	I & II	<b>Long-term Investment Decisions:</b> Risk and Uncertainty Analysis, Certainty Equivalent Approach, Sensitivity Analysis, Probability Distribution Approach and Decision Tree Approach <b>Leasing, Hire-purchase &amp; Project Finance:</b>	
2.	September	III	<b>Capital structure &amp; Value of firm:</b> NI approach, NOI approach, Traditional Position, MM position	
3.	October	IV	<b>Mergers &amp; Acquisitions:</b> M & A –Exchange ratio, financial evaluation of mergers, M&A as capital budgeting decision, Economic value added & market value added Taxation aspects.	
4.	November	V	<b>Management of Cash:</b> <b>Management of Receivables:</b>	

Signature of Faculty