SHIKSHAN PRASARAK MANDAL

NABIRA MAHAVIDYALAYA, KATOL (MS)

Affiliated with Rashtrasanta Tukdoji Maharaj

Nagpur University, Nagpur (MS)

Website:

https://www.nabiramahavidyalayakatol.com/

2.5.1

Mechanism of internal assessment is transparent and robust in term of frequency and mode

NABIRA MAHAVIDYALAYA, KATOL.

NOTICE

Date: 05-01-2022

All the students of B. Com. –I Sem. (Marathi and English Medium) classes are hereby informed that their 'Internal Assessment Examination Winter 2021' of all subjects will be held as per the Time Table given below:

S.N.	Name of Examination	Day	Date	Time
1.	B.Com. I -Sem. (Mar.)	Friday	07-01-2022	8.30 a.m. to 11.30 a.m.
2.	B.Com. I -Sem. (Eng.)	Friday	07-01-2022	8.30 a.m. to 11.30 a.m.

The above said examination will be conducted as per the rules of Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.

As there is no provision for supplementary examination for Internal Assessment, you are informed to appear at the examination. Those who remain absent will be declared fail.

NOTE:

1) The Internal Assessment Examination-Viva will be conducted in **Offline** mode.
2) Students are required to submit home assignment at the time of Viva.

H.O.D.

Department of Commerce

(Dr. G. K. Khorgade)

NABIRA MAHAVIDYALAYA, KATOL.

NOTICE

Date: 06-12-2021

All the students of B. Com. –V Sem. (Marathi and English Medium) classes are hereby informed that their 'Internal Assessment Examination 2021' of all subjects will be held as per the Time Table given below:

S.N.	Name of Examination	Day	Date	Time
1.	B.Com. V -Sem. (Mar.)	Monday	13-12-2021	11.00 a.m. to 2.00 p.m.
2.	B.Com. V -Sem. (Eng.)	Monday	13-12-2021	11.00 a.m. to 2.00 p.m.

The above said examination will be conducted as per the rules of Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.

As there is no provision for supplementary examination for Internal Assessment, you are informed to appear at the examination. Those who remain absent will be declared fail.

NOTE:

1) The Internal Assessment Examination-Viva will be conducted in **Offline** mode.
2) Students are required to submit home assignment at the time of Viva

H.O.D.

Department of Commerce

(Dr. G. K. Khorgade)

Department of Commerce

NABIRA MAHAVIDYALAYA, KATOL.

NOTICE

Date: 17-01-2022

All the students M. Com. Sem. – I & III (English Medium) classes are hereby informed that their 'Internal Assessment Examination Winter 2021' of all subjects will be held as per the Time Table given below:

S. N.	Name of Examination	Day	Date	Time	Mode
1.	M. Com. Sem.- I	Monday	24/01/2022	10.30 am	Online
2.	M. Com. Sem.- III	Tuesday	25/01/2022	10.30 am	Online

NOTE:

1) Date of submission of PDF file of Home Assignment is 22/01/2022. Group setting will be change and you will not be able to send PDF file after the above mentioned.
2) Attending Viva is compulsory.
3) Link will be sent on the date of Viva.
4) Students are required to join the online Viva as per the following time schedule.

Serial Number 01 to 20 should join at 10.30 am

Serial Number 21 to 40 should join at 11.00 am

Serial Number 41 to 50 should join at 11.30 am

H.O.D.
Department of Commerce
(Dr. G. K. Khorgade)

Department of Commerce

NABIRA MAHAVIDYALAYA, KATOL.

NOTICE

Date: 17-01-2022

All the students of M. Com. Sem. – I. & III (Marathi Medium) classes are hereby informed that their 'Internal Assessment Examination Winter 2021' of all subjects will be held as per the Time Table given below:

S. N.	Name of Examination	Day	Date	Time	Mode
1.	M. Com. Sem.- I	Monday	24/01/2022	12.00 noon	Online
2.	M. Com. Sem.- III	Tuesday	25/01/2022	12.00 noon	Online

NOTE:

1) Date of submission of PDF file of Home Assignment is 22/01/2022. Group setting will be change and you will not be able to send PDF file after the above mentioned.
2) Attending Viva is compulsory.
3) Link will be sent on the date of Viva.
4) Students are required to join the online Viva as per the following time schedule.

Serial Number 01 to 20 should join at 12.00 noon

Serial Number 21 to 40 should join at 12.30 pm

Serial Number 41 to 60 should join at 01.00 pm

Serial Number 61 to 80 should join at 01.30 pm

Serial Number 81 to 100 should join at 02.00 pm

H.O.D.
Department of Commerce
(Dr. G. K. Khorgade)

Department of Commerce

NABIRA MAHAVIDYALAYA, KATOL.

NOTICE

Date: 17-01-2022

All the students of B. Com. Sem. –I (Marathi and English Medium) classes are hereby informed that their 'Internal Assessment Examination Winter 2021' of all subjects will be held as per the Time Table given below:

S. N.	Name of Examination	Day	Date	Time	Mode
1.	B. Com. Sem.- I (Eng.)	Wednesday	19/01/2022	9.30am	Online
2.	B. Com. Sem. – I(Mar.)	Friday	21/01/2022	9.30am	Online

NOTE:

1) Date of submission of PDF file of Home Assignment is 18/01/2022. Group setting will be change and you will not be able to send PDF file after the above mentioned.
2) Attending Viva is compulsory.
3) Link will be sent on the date of Viva.
4) Students are required to join the online Viva as per the following time schedule.

Serial Number 01 to 20 should join at 9.30 am

Serial Number 21 to 40 should join at 10.00 am

Serial Number 41 to 60 should join at 10.30 am

Serial Number 61 to 80 should join at 11.00 am

Serial Number 81 to 100 should join at 11.30 am

Serial Number 101 to 120 should join at 12.00 noon.

H.O.D.
Department of Commerce
(Dr. G. K. Khorgade)

METHOD FOLLOWS FOR INTERNAL AND EXTERNAL ASSESSMENT OF STUDENTS

UNIT TEST:

Regular class wiser unit tests are held on the portions completed in the class.

SEMINAR:

Classroom seminar by the students are arranged on various selected topics from the syllabus

QUESTION BANKS:

Unit wise/paper wise question banks are prepared for ready reference for the students. Model answer for various question are regularly discussed in the classes.

VIVA:

Oral question answer sessions are arranged during theory as well as practical classes

HOME ASSIGNMENTS:

Occasionally home assignments are given keeping in view the overall pace of progress of the student.

OBJECTIVE TESTS:

Objective tests have been introduced from the session 2012-13 for infusing interest of the students toward the subject and their rapid evaluation

CCE SYSTEM:

A **comprehensive continuous evaluation** are held at the end of each month with the help of various modes like semi surprise test, poster competition, assignments on general topics, seminar on optional topics etc.

DEPARTMENT OF MICROBIOLOGY AND BIOTECHNOLOGY
NABIRA MAHAVIDYALAYA, KATOL
INTERNAL ASSESSMENT METHADOLOGY

SESSION 2021-22

SUBJECT: - ……
THEORY INTERNAL MARKS

Name of Student……..**Roll Number**……
Class……..
Name of Teacher……
Paper: -

Sr. No.	Mode of Internal Assessment	Maximum Marks allotted	Mark Obtained	Maximum Marks allotted	Mark Obtained
		SEM -		**SEM-**	
1	Attendance and curricular activity	02		02	
2	Seminars	02		02	
3	Assignment	02		02	
4	Unit Test I	01		01	
5	Unit Test II	01		01	
6	Unit Test III	01		01	
7	Unit Test IV	01		01	
8	Term Exam	02		02	
9	Field Work/ Project	02		02	
10	Extracurricular Activity	02		02	
11	Any Other Mode	02		02	
Total (Not more than 10 in each semester)					

Total Internal Marks Obtained……..

Signature of Student…For SEM …:- ……SEM ……:-……

Signature of Teacher…….

Date……

HOD

P.G. DEPARTMENT OF MICROBIOLOGY
NABIRA MAHAVIDYALAYA, KATOL
INTERNAL ASSESSMENT METHADOLOGY

SESSION 2021-22

SUBJECT: - ……

THEORY INTERNAL MARKS

Name of Student……..**Roll Number**……

Class……..

Name of Teacher……

Paper: -

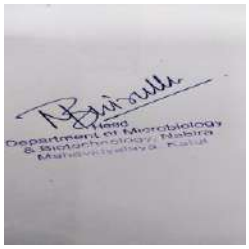
Sr. No.	Mode of Internal Assessment	Maximum Marks allotted	Mark Obtained	Maximum Marks allotted	Mark Obtained
		SEM :-		**SEM :-**	
1	Attendance and curricular activity	04		04	
2	Seminars	04		04	
3	Assignment	04		04	
4	Unit Test I	02		02	
5	Unit Test II	02		02	
6	Unit Test III	02		02	
7	Unit Test IV	02		02	
8	Term Exam	04		04	
9	Field Work/ Project	04		04	
10	Extracurricular Activity	04		04	
11	Any Other Mode	04		04	
Total (Not more than 20) in each semester					

Total Internal Marks Obtained…SEM……SEM…….

Signature of Student…SEM……SEM……

Signature of Teacher…….

Date……



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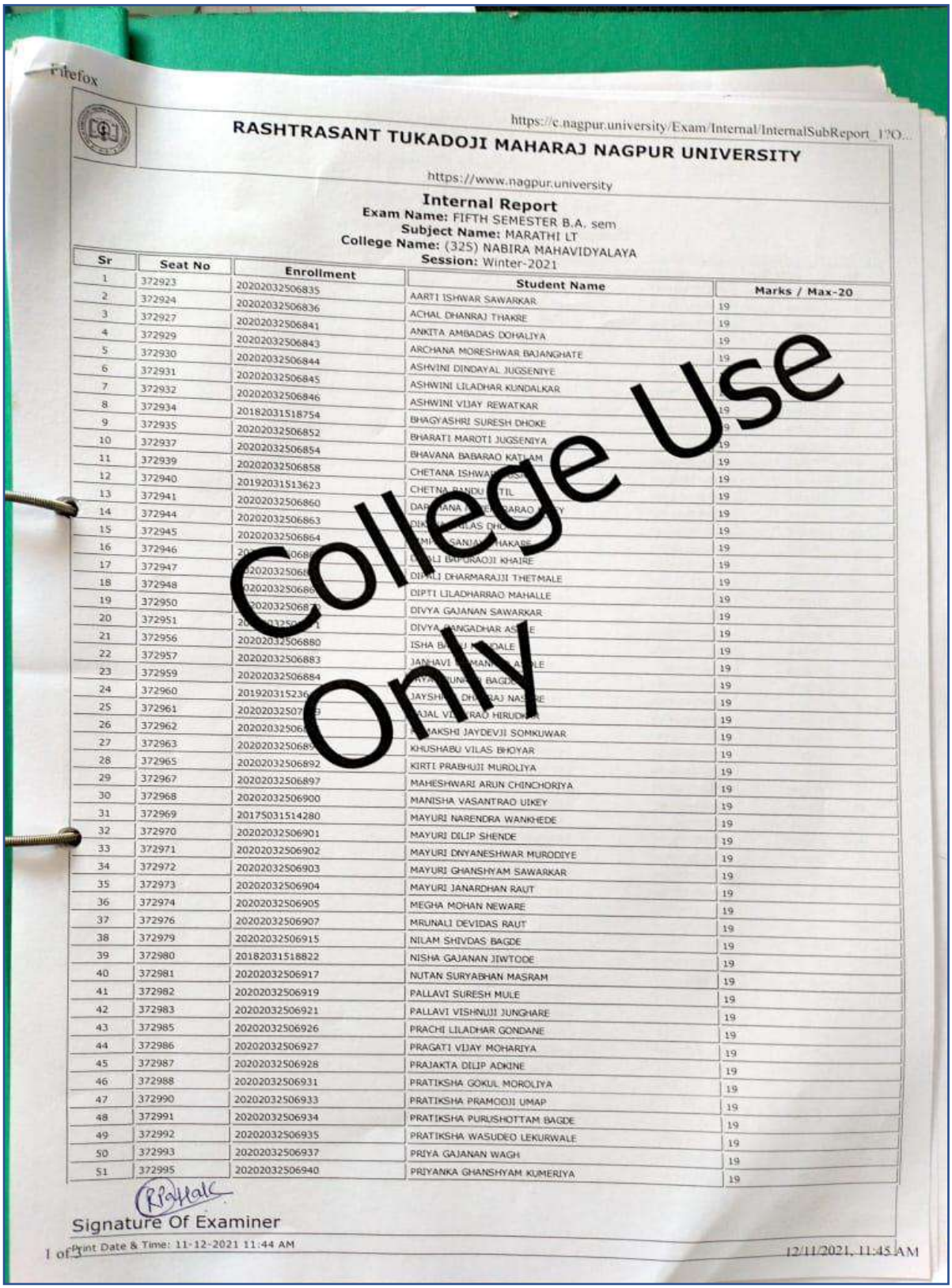
2.5.1

Mechanism of internal assessment is transparent and robust in terms of frequency and mode



Firefox

https://e.nagpur.university/Exam/Internal/InternalSubReport_I?O...

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

https://www.nagpur.university

Internal Report

Exam Name: FIFTH SEMESTER B.A. sem
Subject Name: MARATHI LT
College Name: (325) NABIRA MAHAVIDYALAYA
Session: Winter-2021

Sr	Seat No	Enrollment	Student Name	Marks / Max-20
1	372923	20202032506835	AARTI ISHWAR SAWARKAR	19
2	372924	20202032506836	ACHAL DHANRAJ THAKRE	19
3	372927	20202032506841	ANKITA AMBADAS DOHALIYA	19
4	372929	20202032506843	ARCHANA MORESHWAR BAJANGHATE	19
5	372930	20202032506844	ASHVINI DINDAYAL JUGSENIYE	19
6	372931	20202032506845	ASHWINI LILADHAR KUNDALKAR	
7	372932	20202032506846	ASHWINI VIJAY REWATKAR	19
8	372934	20182031518754	BHAGYASHRI SURESH DHOKE	
9	372935	20202032506852	BHARATI MAROTI JUGSENIYA	19
10	372937	20202032506854	BHAVANA BABARAO KATLAM	19
11	372939	20202032506858	CHETANA ISHWA	19
12	372940	20192031513623	CHETNA BANDU TIL	19
13	372941	20202032506860	DAR ANA RAO	19
14	372944	20202032506863	DIK LAS DH	19
15	372945	20202032506864	M SANJ HAKARE	19
16	372946	20 068	LI BAPURAOJI KHAIRE	19
17	372947	20202032506	DIWALI DHARMARAJJI THETMALE	19
18	372948	20202032506	DIPTI LILADHARRAO MAHALLE	19
19	372950	20202032506	DIVYA GAJANAN SAWARKAR	19
20	372951	20	DIVYA GANGADHAR AS E	19
21	372956	20202032506880	ISHA B DALE	19
22	372957	20202032506883	JANHAVI MAN LE	19
23	372959	20202032506884	BAGDE	19
24	372960	20192031523	JAYSHR DHARAJ NAS RE	19
25	372961	20202032507	AJAL V RAO HIRUDK R	19
26	372962	20202032506	AKSHI JAYDEVJI SOMKUWAR	19
27	372963	20202032506	KHUSHABU VILAS BHOYAR	19
28	372965	20202032506892	KIRTI PRABHUJI MUROLIYA	19
29	372967	20202032506897	MAHESHWARI ARUN CHINCHORIYA	19
30	372968	20202032506900	MANISHA VASANTRAO UIKEY	19
31	372969	20175031514280	MAYURI NARENDRA WANKHEDE	19
32	372970	20202032506901	MAYURI DILIP SHENDE	19
33	372971	20202032506902	MAYURI DNYANESHWAR MURODIYE	19
34	372972	20202032506903	MAYURI GHANSHYAM SAWARKAR	19
35	372973	20202032506904	MAYURI JANARDHAN RAUT	19
36	372974	20202032506905	MEGHA MOHAN NEWARE	19
37	372976	20202032506907	MRUNALI DEVIDAS RAUT	19
38	372979	20202032506915	NILAM SHIVDAS BAGDE	19
39	372980	20182031518822	NISHA GAJANAN JIWTODE	19
40	372981	20202032506917	NUTAN SURYABHAN MASRAM	19
41	372982	20202032506919	PALLAVI SURESH MULE	19
42	372983	20202032506921	PALLAVI VISHNUJI JUNGHARE	19
43	372985	20202032506926	PRACHI LILADHAR GONDANE	19
44	372986	20202032506927	PRAGATI VIJAY MOHARIYA	19
45	372987	20202032506928	PRAJAKTA DILIP ADKINE	19
46	372988	20202032506931	PRATIKSHA GOKUL MOROLIYA	19
47	372990	20202032506933	PRATIKSHA PRAMODJI UMAP	19
48	372991	20202032506934	PRATIKSHA PURUSHOTTAM BAGDE	19
49	372992	20202032506935	PRATIKSHA WASUDEO LEKURWALE	19
50	372993	20202032506937	PRIYA GAJANAN WAGH	19
51	372995	20202032506940	PRIYANKA GHANSHYAM KUMERIYA	19

College Use Only

Signature Of Examiner

Print Date & Time: 11-12-2021 11:44 AM

1 of 3

12/11/2021, 11:45 AM

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

https://www.nagpur.university

Internal Report

Exam Name: FIFTH SEMESTER B.A. sem
Subject Name: MARATHI LT
College Name: (325) NABIRA MAHAVIDYALAYA
Session: Winter-2021

Sr	Seat No	Enrollment	Student Name	Marks / Max-20
52	372996	20202032506941	PRIYANKA NANDKISHOR MURODIYA	19
53	372997	20202032506942	PRIYANKA SANJAY BARAI	19
54	372999	20202032506946	PUNAM NAMDEO SALAM	19
55	373001	20202032506948	RAJASHRI NAGORAO AMBUDARE	19
56	373002	20202032506950	RANI NARAYAN KISROLIYA	19
57	373005	20202032506951	ROSHANI DILIPRAO BHOSKAR	19
58	373006	20202032506953	RUCHIKA DHANRAJ REWATKAR	19
59	373007	20202032506955	RUPALI DEVENDRAJI CHOUDHARI	19
60	373009	20175031514337	RUPALI PANDHARI CHAFALE	19
61	373011	20212032512686	RUSHALI SURESH AKOTKAR	19
62	373012	20202032506959	SAMIKSHA ASHOKRAO UIKEY	19
63	373013	20202032506960	SAMIKSHA RAMESH NAGMOTE	19
64	373015	20202032506964	SANJANA NATTHU MAPLE	19
65	373017	20150166016927 12	SHITAL PRABHAKARRAO SAWARKAR	19
66	373018	20202032506967	SHIVANI MADHUKAR SURJUSE	20
67	373019	20202032506968	SHOBHA GANESH THAKARE	19
68	373020	20202032506969	SHRUTI DHARMADAS KHARPURIYA	19
69	373022	20175031514354	SHUBHANGI PRAKASH WAILKAR	19
70	373023	20202032506974	SNEHA PAWANRAO WANWE	19
71	373024	20202032506976	SONALI RUPCHAND DHOKE	19
72	373025	20202032506978	SWATI RAJENDRA CHAWHAN	19
73	373026	20202032506981	TANUJA PRAKASH UMAP	19
74	373030	EXT/S19/2142	VAISHALI BHAGWAT TAYWADE	19
75	373031	20202032506985	VAISHALI RAJU KHARBADE	19
76	373032	20182031518889	VAISHALI WASUDEORAO PANDE	19
77	373033	20175031514367	VAISHNAVI DATTRAJ DAFFAR	19
78	373034	20202032506986	VAJSHNAVI KISAN KUMBHARE	19
79	373035	20202032506987	VAISHNAVI PRAVIN KADHE	19
80	373036	20202032506988	VIDHI RADHESHYAM KHARPURIYA	19
81	373038	20202032506990	YAMINI GANPAT NEHARE	19
82	373039	20202032506991	YOGITA PREMRAJ UIKEY	19
83	373041	PROVISIONAL	ABHISHEK ASHOK CHOPDE	19
84	373042	20202032506995	ABHISHEK MANOHAR AHAKE	19
85	373043	20202032506996	ABHISHEK NARENDRARAO SHENDE	19
86	373047	20202032507001	AKASH NAMDEO DUDHKOHALE	19
87	373050	20202032507005	ANAND GAJANAN KSHIRSAGAR	19
88	373052	20202032507007	ANIKET LAXMAN DHOTE	19
89	373053	20182031518906	ANIKET MORESHWAR GAJAM	19
90	373056	20192031513778	ATUL SIDDHARTH DHOKE	19
91	373057	20202032507010	BHAVESH GENDRAJJI TAYWADE	19
92	373058	20192093019641	CHETAN NATTHUJI GAJBHIYE	19
93	373061	20202032507014	HARISH MANOHAR WADHIVE	19
94	373065	20202032507017	JAYESH SANJAY RAUT	19
95	373066	20202032507018	JAYUSH NARENDRA BADKAIYYA	19
96	373067	20202032506887	KAPIL DAMODHAR DHEKLE	19
97	373068	20202032507022	KRUNAL RAJESH KALBANDE	19
98	373069	20202032507023	KUNAL HIRALAL CHORGHADE	19
99	373070	20202032507026	LOKESH CHAMPATRAO KHANDATE	19
100	373074	20202032507032	MOHAN DNYANESHWAR NAGPURE	19
101	373075	20202032507036	NIKHIL GAJANAN GADHAVE	19
102	373086	20202032507056	RIZWAN NABBU SHEIKH	19
103	373087	20182031518954	ROHAN NATTHU WAGHMARE	19

Signature Of Examiner

Print Date & Time: 11-12-2021 11:44 AM

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

https://www.nagpur.university

Internal Report

Exam Name: FIFTH SEMESTER B.A. sem
Subject Name: MARATHI LT
College Name: (325) NABIRA MAHAVIDYALAYA
Session: Winter-2021

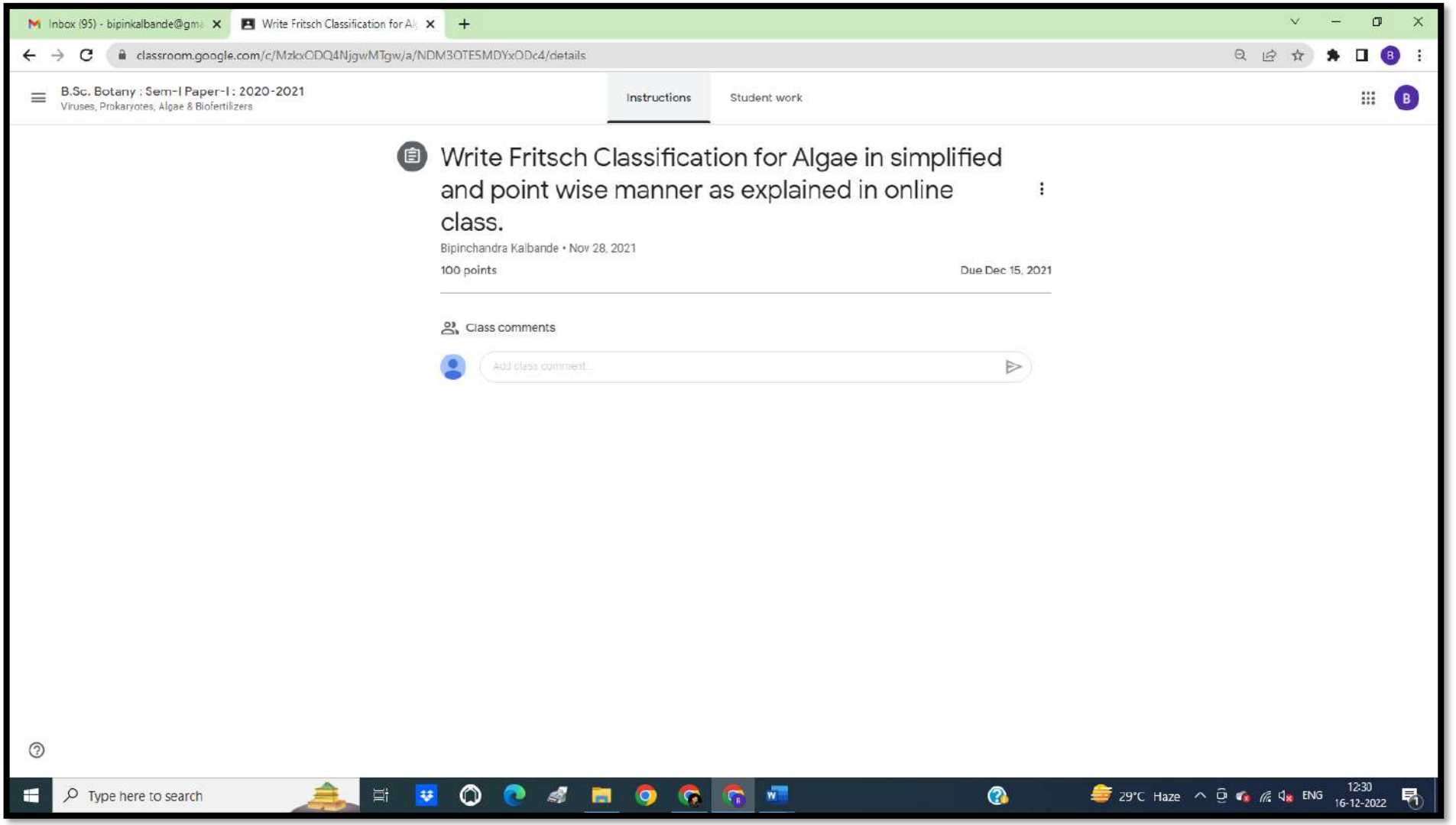
Sr	Seat No	Enrollment	Student Name	Marks / Max-20
104	373088	20202032507057	RUPESH MANOHAR GADHAVE	19
105	373089	20202032507058	RUTVIK VISHWAS SAWARKAR	19
106	373091	20202032507063	SANKESHWAR JAGAN KAWADKAR	19
107	373092	20202032507065	SAURABH YUWRAJ GAJBHIYE	19
108	373093	20202032507066	SHAILESH DEVIDAS NEHARE	19
109	373095	20202032507068	SHERU SHAKIL SHEIKH	19
110	373096	20202032507070	SHUBHAM MUKUNDA KHARPURIYA	19
111	373098	20202032507073	SURAJ HARICHANDRA RAJPUT	19
112	373099	20202032507074	SURAJ RAMANUJ DEVRIYA	19
113	373101	20202032507078	TUSHAR NAMDEO DAHAT	19
114	373103	20202032507082	VAIBHAV YUORAJ KAMATKAR	19
115	373104	20202032507084	VILAS ASHOKRAO UIKEY	19

Signature Of Examiner

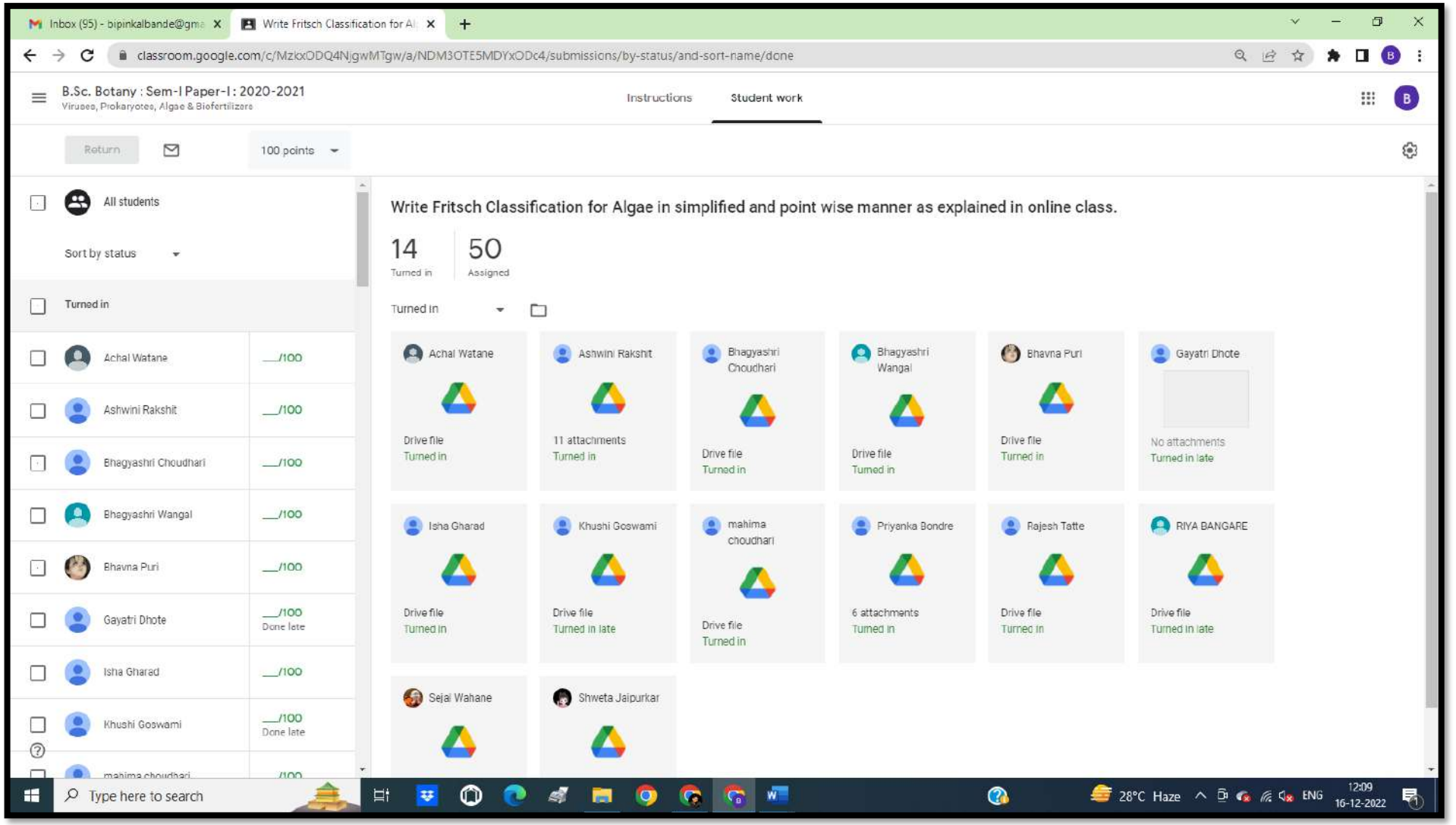
Print Date & Time: 11-12-2021 11:44 AM

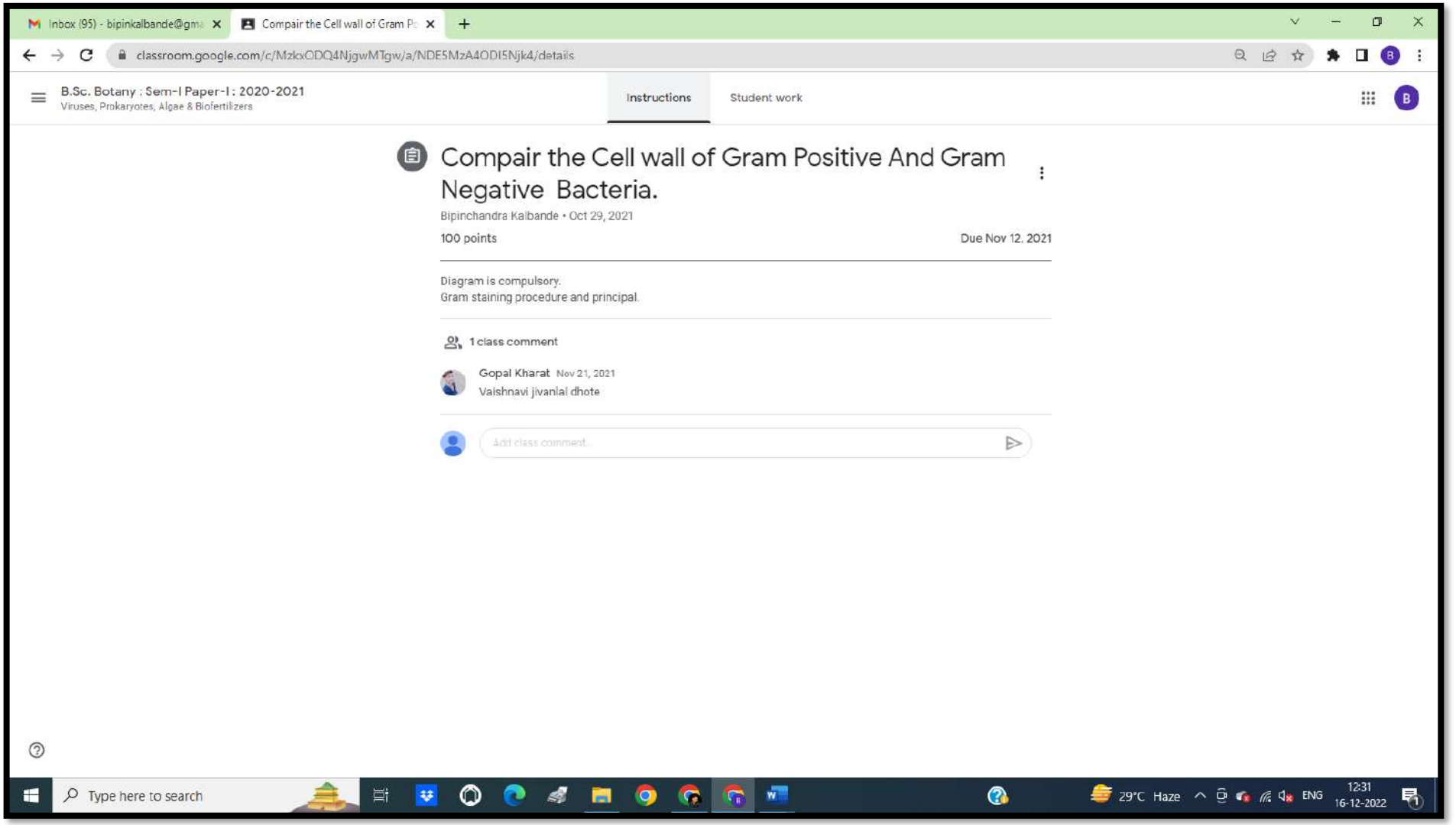
Assignments were given to all the even and odd semester students, online on Google Classroom as well as offline, for evaluation of University Theory Internal Marks.

Session 2021-22

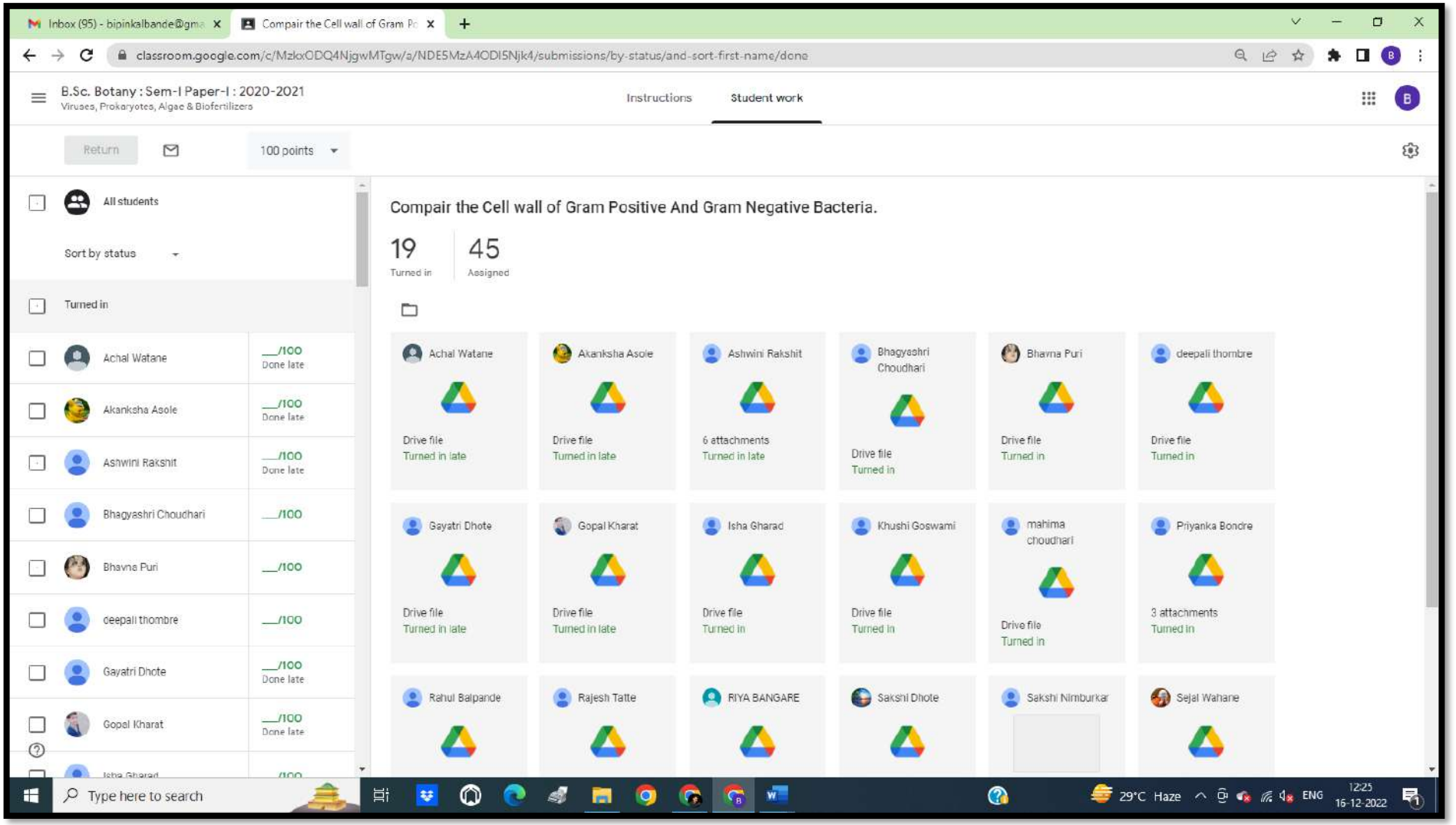

Inbox (95) - bipinkalbande@gma
Write Fritsch Classification for Al
classroom.google.com/c/MzkxODQ4NjgwMTgw/a/NDM3OTE5MDYxODc4/details
B.Sc. Botany : Sem-I Paper-I : 2020-2021
Viruses, Prokaryotes, Algae & Biofertilizers
Instructions
Student work
Write Fritsch Classification for Algae in simplified and point wise manner as explained in online class.
Bipinchandra Kalbande • Nov 28, 2021
100 points
Due Dec 15, 2021
Class comments
Add class comment...
Type here to search
29°C Haze
ENG
12:30
16-12-2022

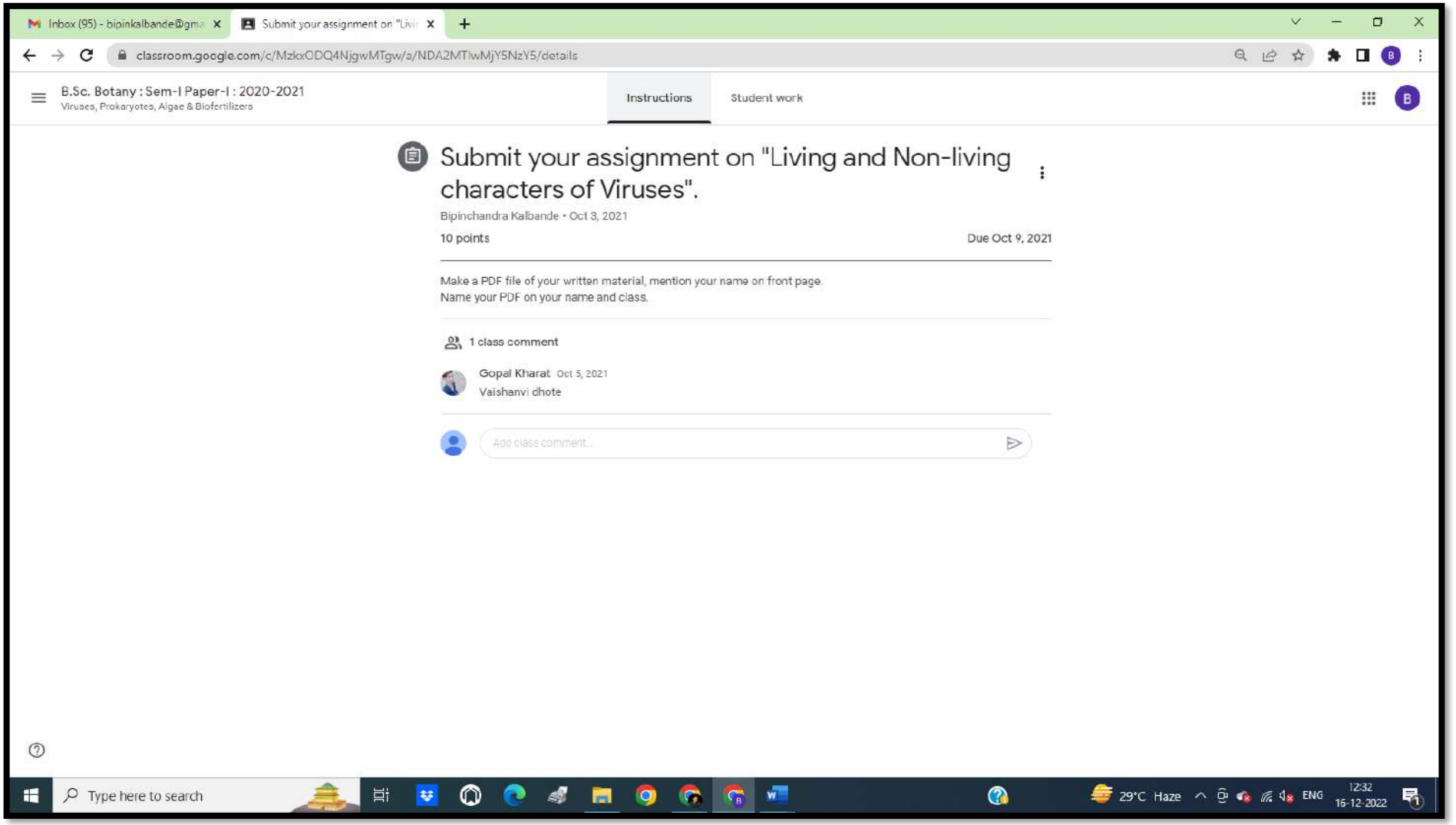
Department of Botany, Nabira Mahavidyalaya, Katol.



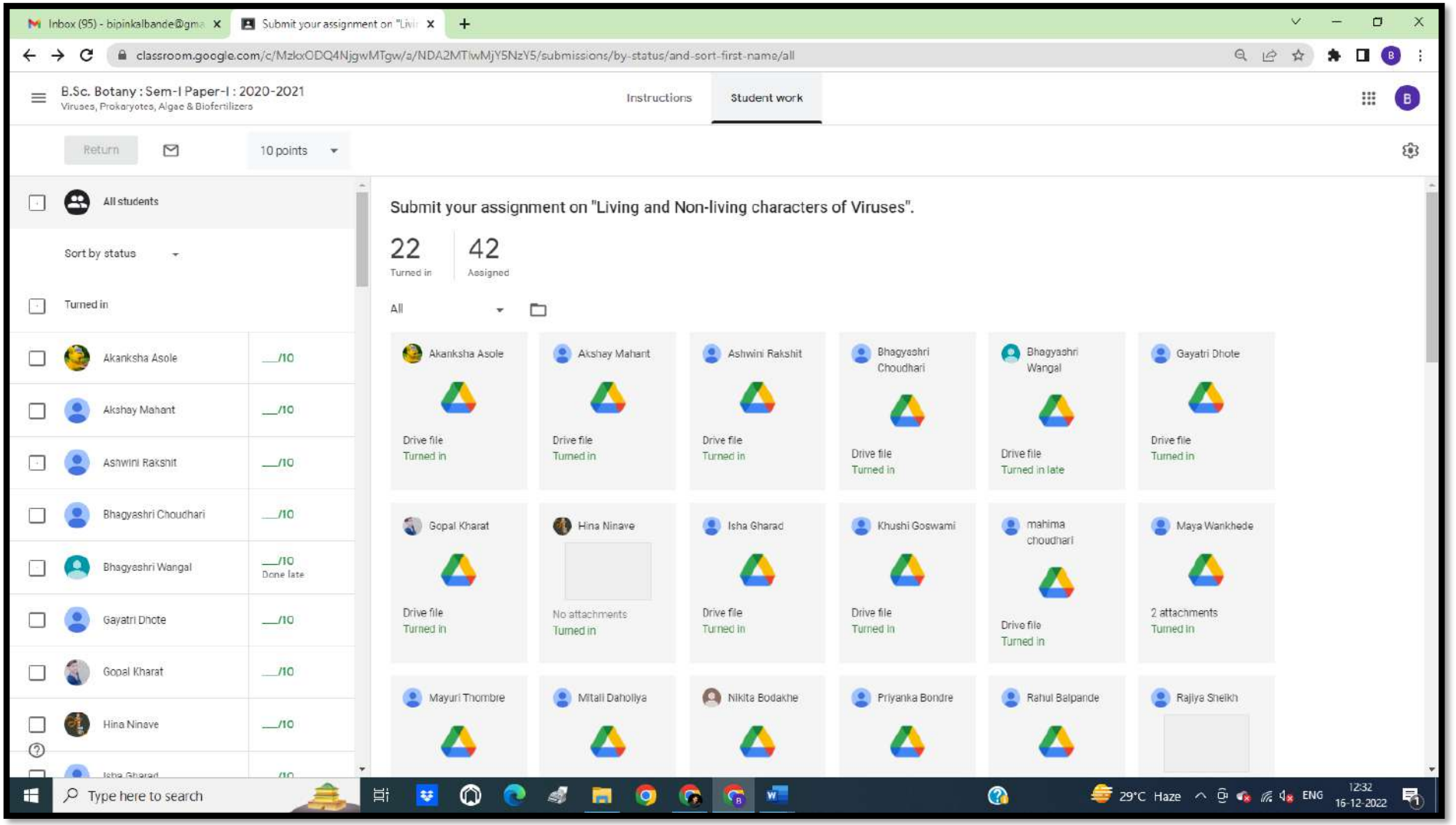

Inbox (95) - bipinkalbande@gma
Compair the Cell wall of Gram Po
classroom.google.com/c/MzkxODQ4NjgwMTgw/a/NDE5MzA4ODI5Njk4/details
B.Sc. Botany : Sem-I Paper-I : 2020-2021
Viruses, Prokaryotes, Algae & Biofertilizers
Instructions
Student work
Compair the Cell wall of Gram Positive And Gram Negative Bacteria.
Bipinchandra Kalbande • Oct 29, 2021
100 points
Due Nov 12, 2021
Diagram is compulsory.
Gram staining procedure and principal.
1 class comment
Gopal Kharat Nov 21, 2021
Vaishnavi jivanlal dhote
Add class comment...
Type here to search
29°C Haze
ENG
12:31
16-12-2022

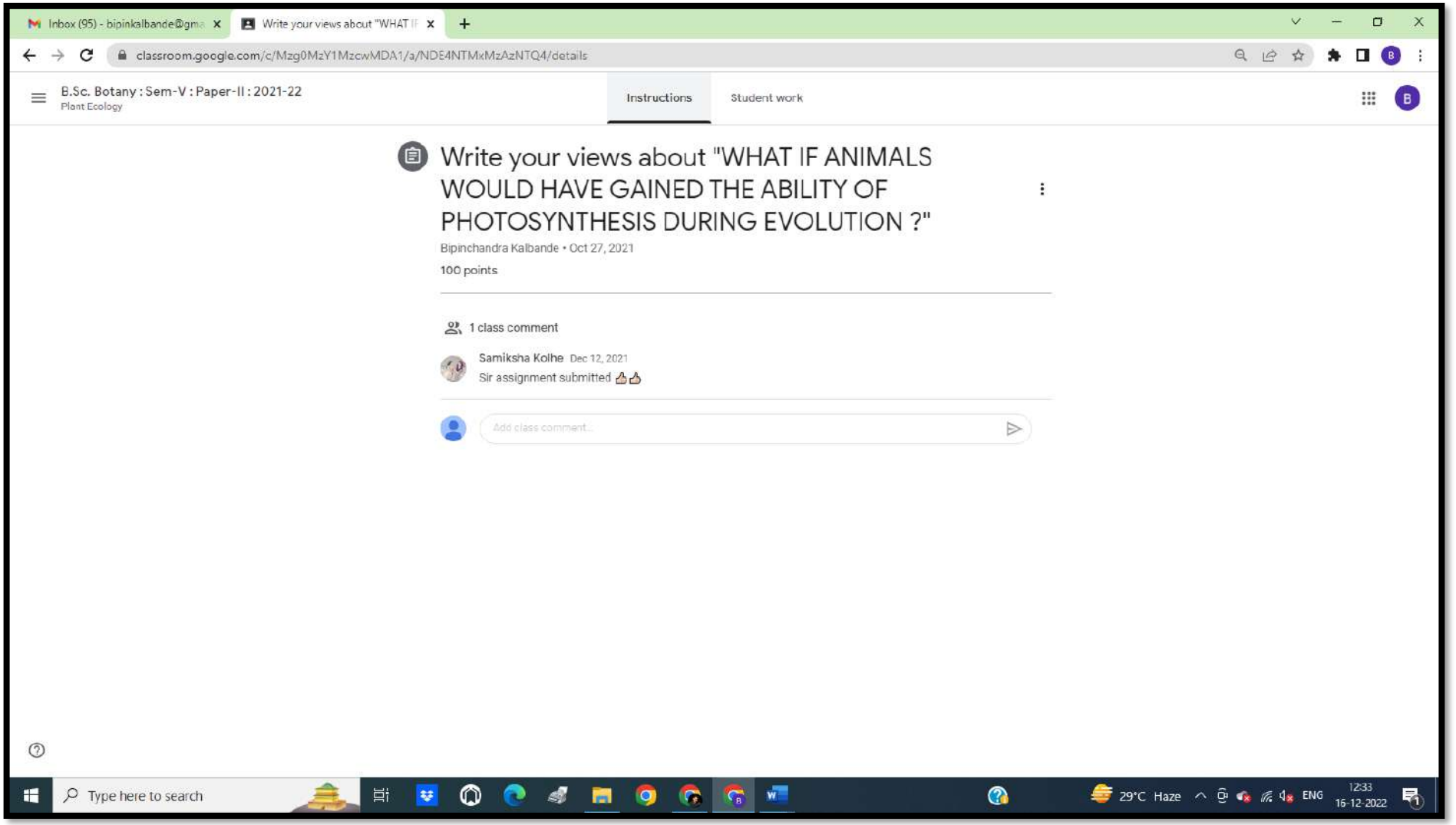
Department of Botany, Nabira Mahavidyalaya, Katol.




Inbox (95) - bipinkalbande@gma
Submit your assignment on "Livi
classroom.google.com/c/MzkxODQ4NjgwMTgw/a/NDA2MTIwMjY5NzY5/details
B.Sc. Botany : Sem-I Paper-I : 2020-2021
Viruses, Prokaryotes, Algae & Biofertilizers
Instructions
Student work
Submit your assignment on "Living and Non-living characters of Viruses".
Bipinchandra Kalbande • Oct 3, 2021
10 points
Due Oct 9, 2021
Make a PDF file of your written material, mention your name on front page.
Name your PDF on your name and class.
1 class comment
Gopal Kharat Oct 5, 2021
Vaishanvi dhote
Add class comment...
Type here to search
29°C Haze
ENG
12:32
16-12-2022

Department of Botany, Nabira Mahavidyalaya, Katol.

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Write your views about "WHAT IF
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B.Sc. Botany : Sem-V : Paper-II : 2021-22
Plant Ecology
Instructions
Student work
Write your views about "WHAT IF ANIMALS WOULD HAVE GAINED THE ABILITY OF PHOTOSYNTHESIS DURING EVOLUTION ?"
Bipinchandra Kalbande • Oct 27, 2021
100 points
1 class comment
Samiksha Kolhe Dec 12, 2021
Sir assignment submitted
Add class comment...
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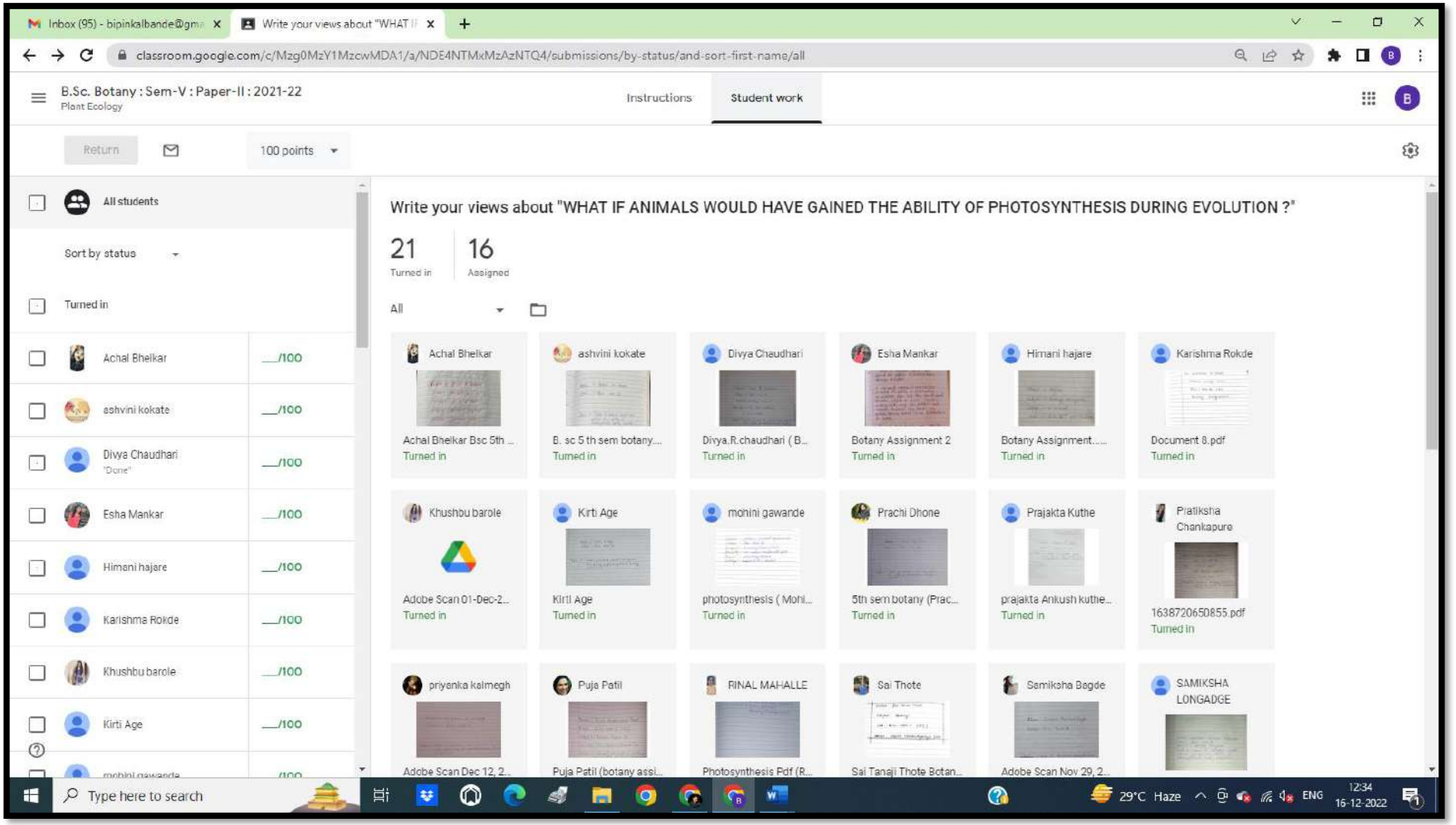
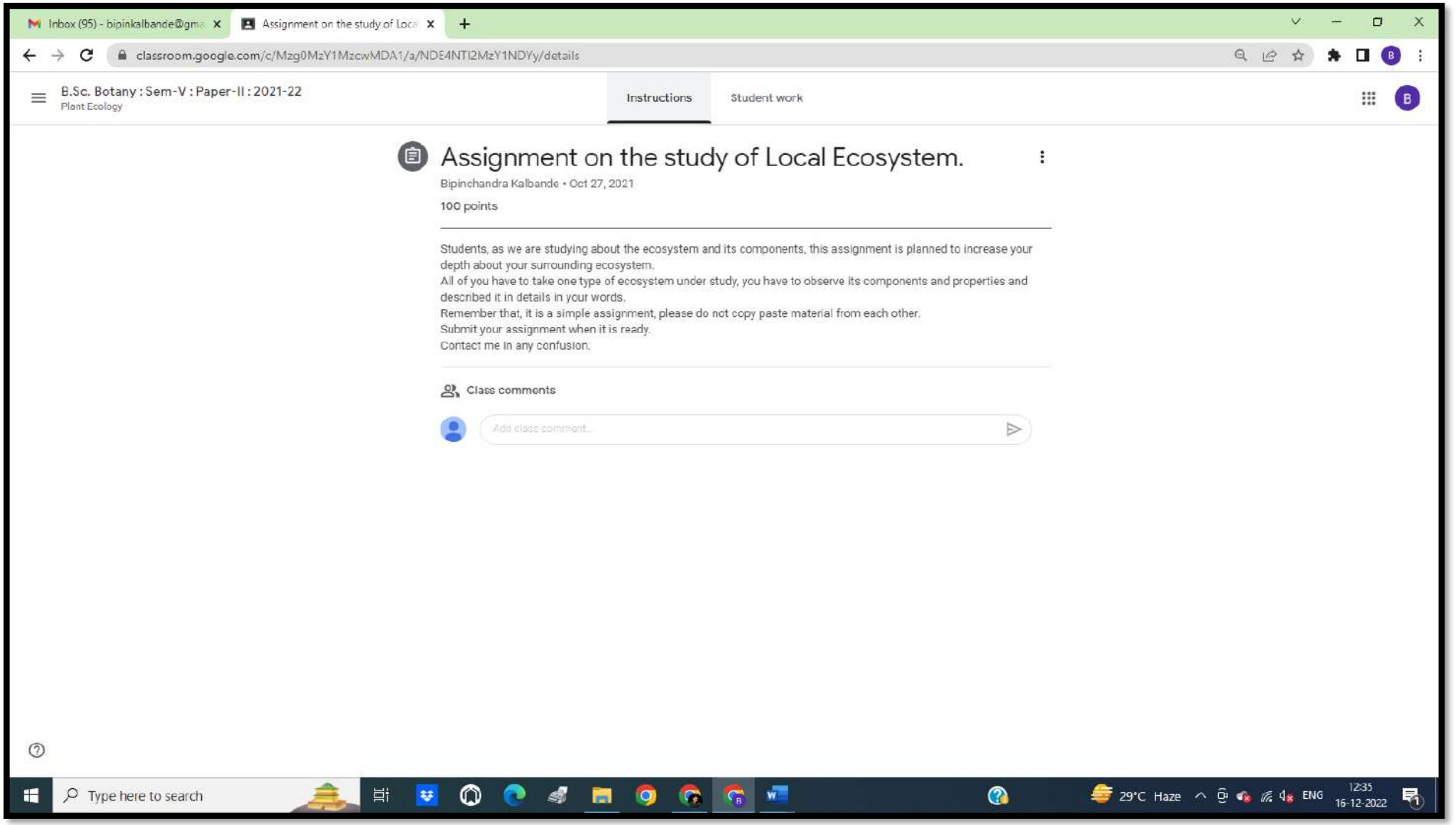
ENG
12:33
16-12-2022

Department of Botany, Nabira Mahavidyalaya, Katol.

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Assignment on the study of Loca
classroom.google.com/c/Mzg0MzY1MzcwMDA1/a/NDE4NTI2MzY1NDYy/details
B.Sc. Botany : Sem-V : Paper-II : 2021-22
Plant Ecology
Instructions
Student work
Assignment on the study of Local Ecosystem.
Bipinchandra Kalbande • Oct 27, 2021
100 points
Students, as we are studying about the ecosystem and its components, this assignment is planned to increase your depth about your surrounding ecosystem.
All of you have to take one type of ecosystem under study, you have to observe its components and properties and described it in details in your words.
Remember that, it is a simple assignment, please do not copy paste material from each other.
Submit your assignment when it is ready.
Contact me in any confusion.
Class comments
Add class comment...
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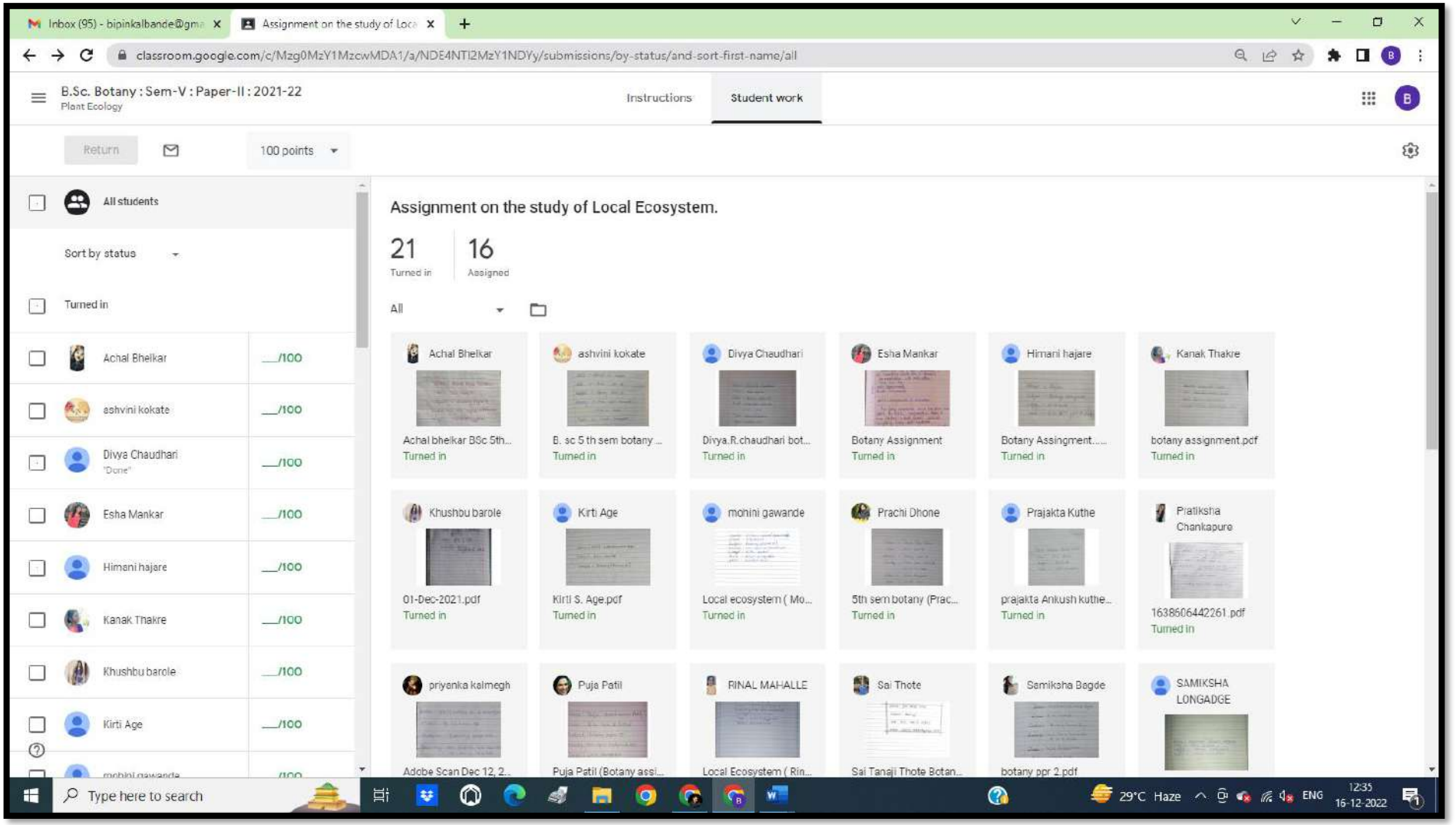
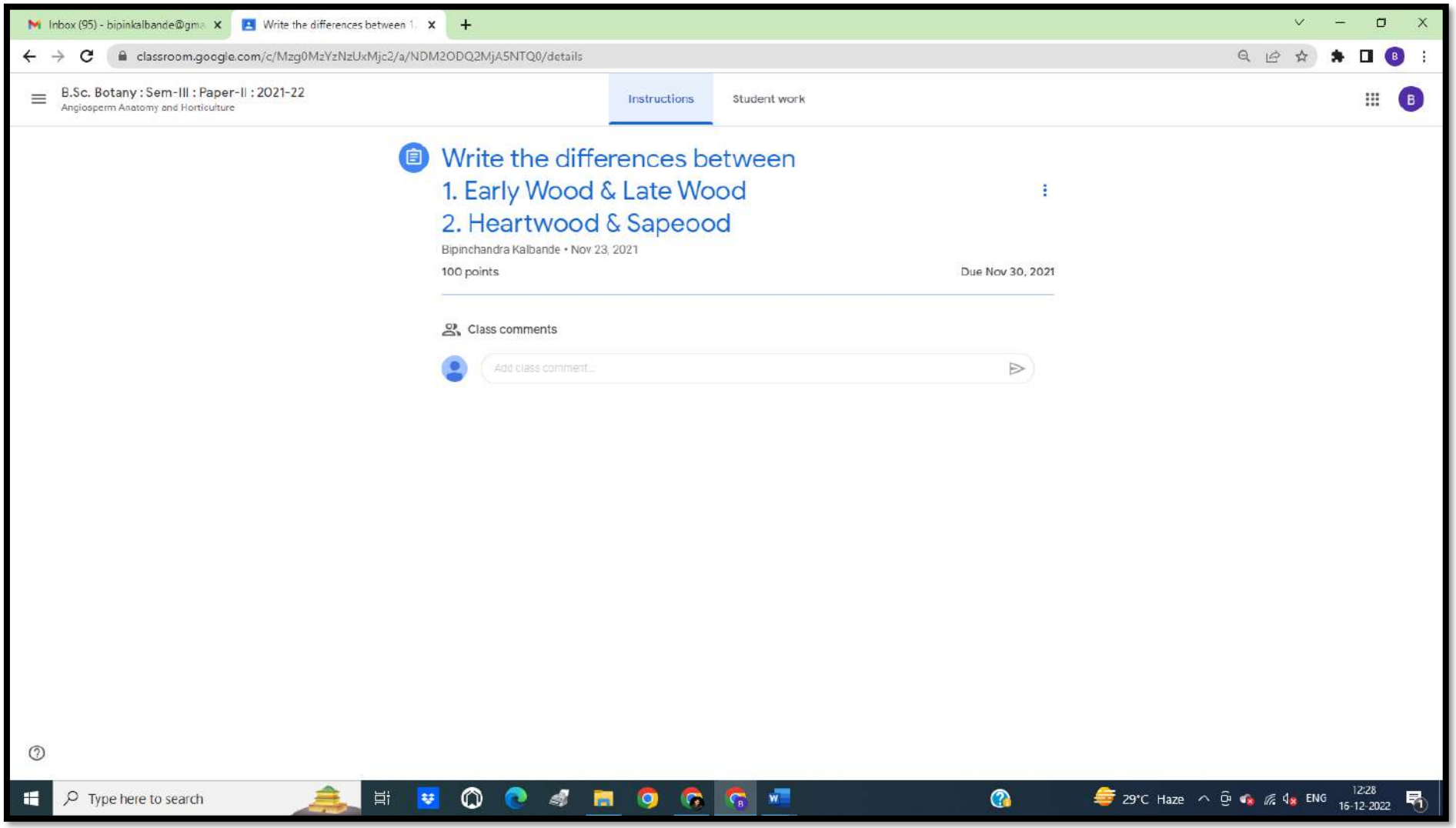
16-12-2022

Department of Botany, Nabira Mahavidyalaya, Katol.

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Write the differences between 1.
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B.Sc. Botany : Sem-III : Paper-II : 2021-22
Angiosperm Anatomy and Horticulture
Instructions
Student work
Write the differences between
1. Early Wood & Late Wood
2. Heartwood & Sapeood
Bipinchandra Kalbande • Nov 23, 2021
100 points
Due Nov 30, 2021
Class comments
Add class comment...
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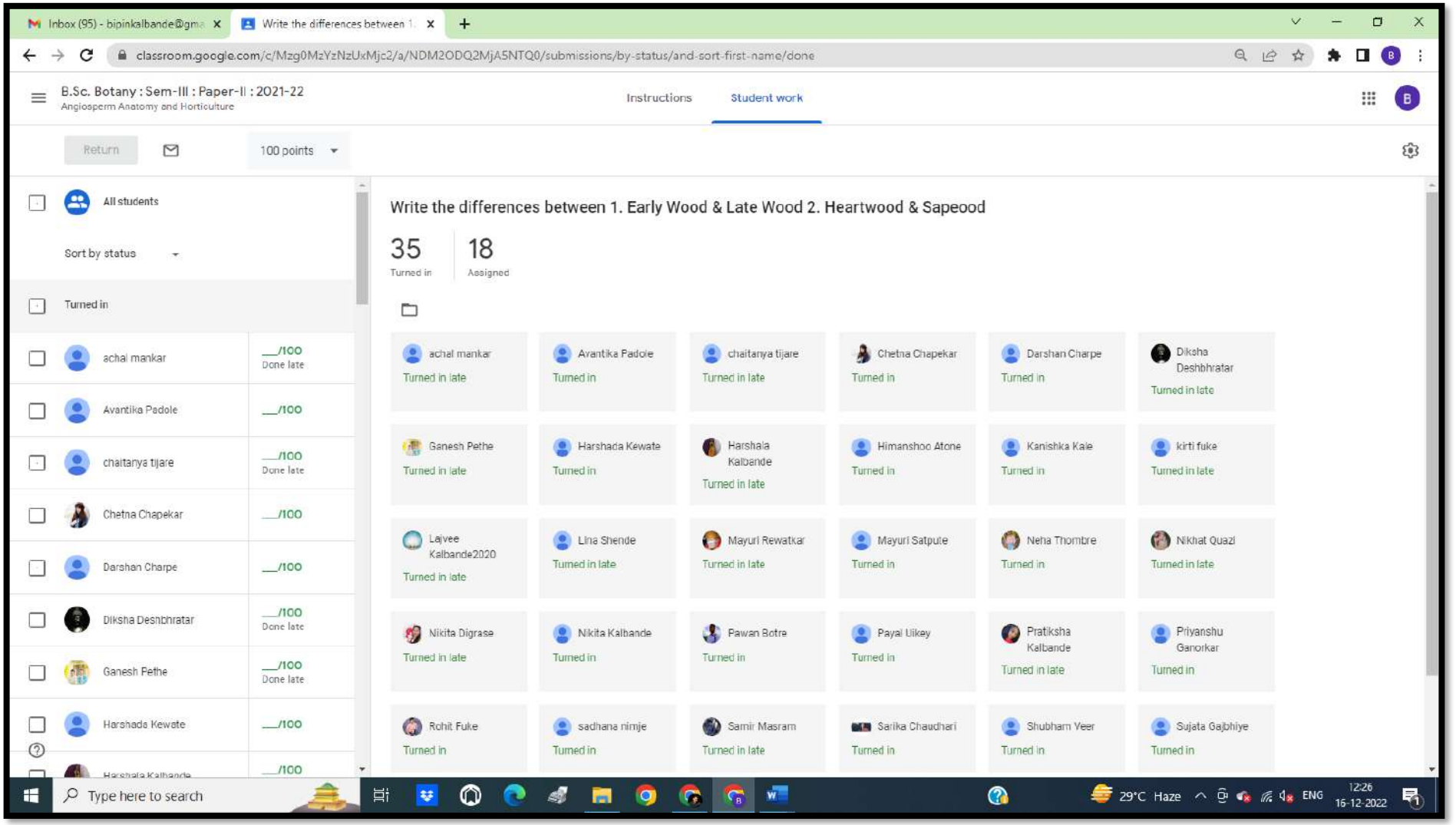
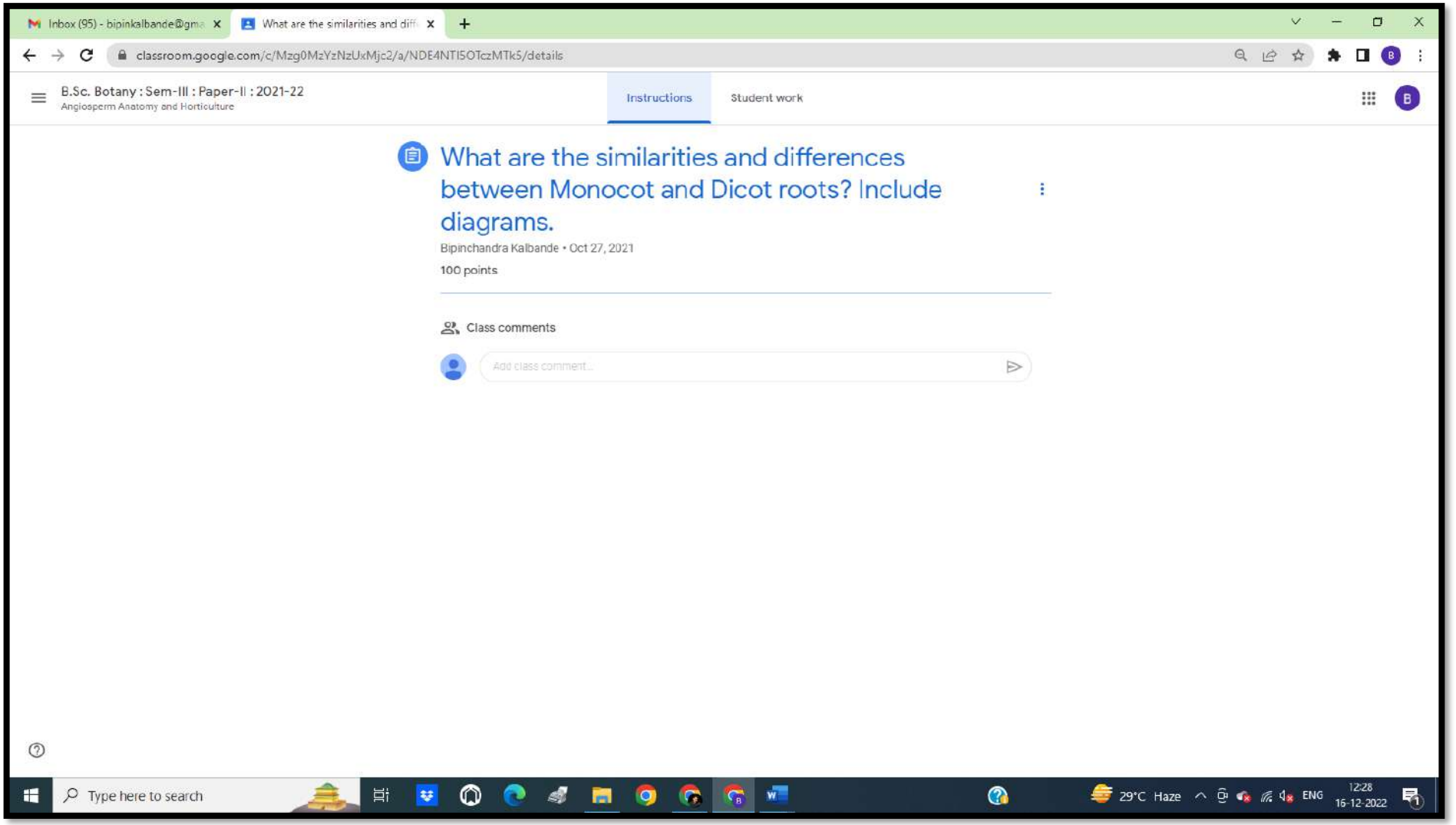
16-12-2022

Department of Botany, Nabira Mahavidyalaya, Katol.

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What are the similarities and diff
classroom.google.com/c/Mzg0MzYzNzUxMjc2/a/NDE4NTI5OTczMTk5/details
B.Sc. Botany : Sem-III : Paper-II : 2021-22
Angiosperm Anatomy and Horticulture
Instructions
Student work
What are the similarities and differences between Monocot and Dicot roots? Include diagrams.
Bipinchandra Kalbande • Oct 27, 2021
100 points
Class comments
Add class comment...
Type here to search
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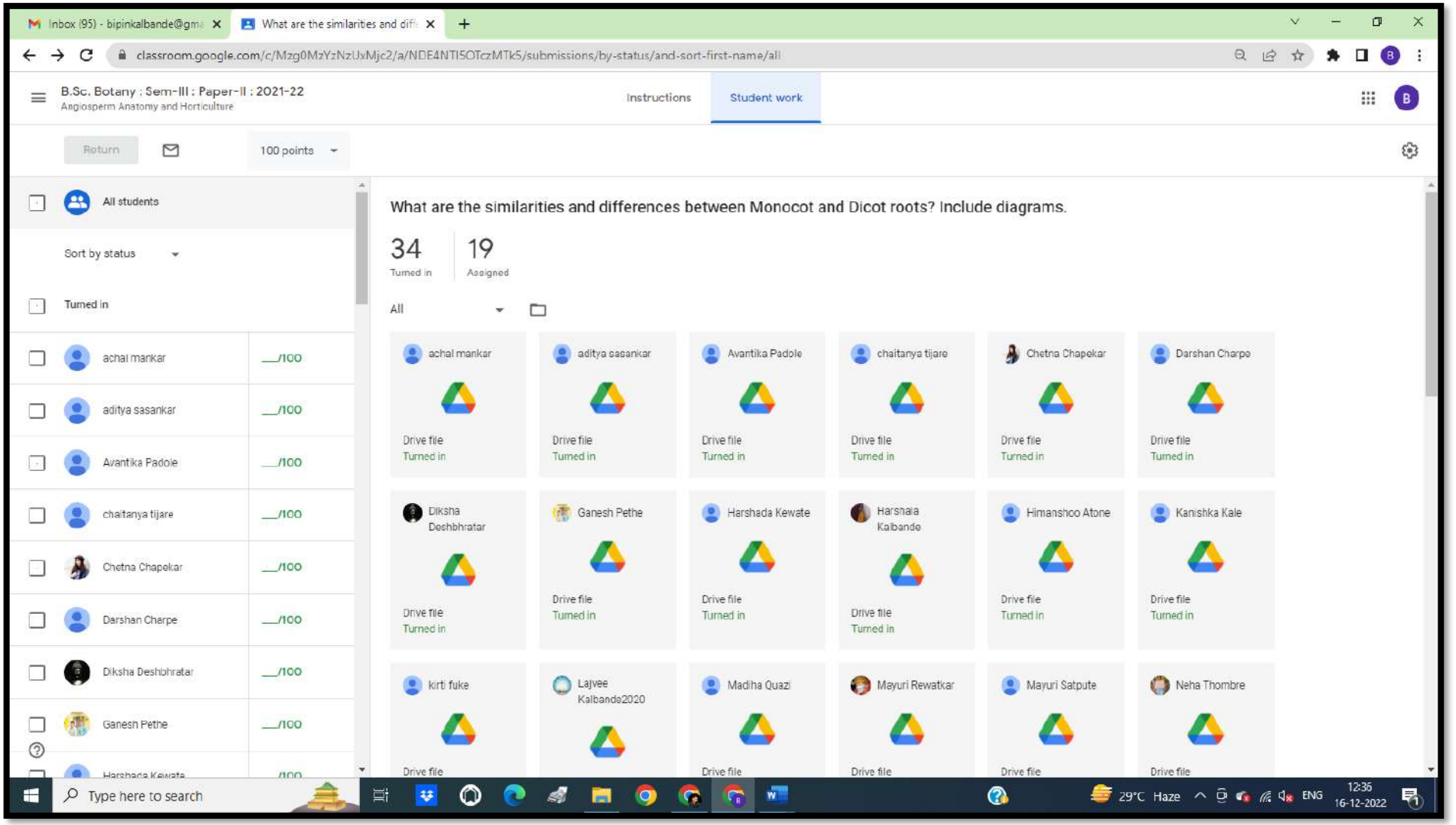
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What are the similarities and diff
classroom.google.com/c/Mzg0MzYzNzUxMjc2/a/NDE4NTI5OTczMTk5/submissions/by-status/and-sort-first-name/all
B.Sc. Botany : Sem-III : Paper-II : 2021-22
Angiosperm Anatomy and Horticulture
Instructions
Student work
Return
100 points
All students
Sort by status
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achal mankar ___/100
aditya sasankar ___/100
Avantika Padole ___/100
chaitanya tijare ___/100
Chetna Chapekar ___/100
Darshan Charpe ___/100
Diksha Deshbhratar ___/100
Ganesh Pethe ___/100
What are the similarities and differences between Monocot and Dicot roots? Include diagrams.
34
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Avantika Padole
chaitanya tijare
Chetna Chapekar
Darshan Charpe
Diksha Deshbhratar
Ganesh Pethe
Harshada Kewate
Harshala Kalbande
Himanshoo Atone
Kanishka Kale
kirti fuke
Lajvee Kalbande2020
Madiha Quazi
Mayuri Rewatkar
Mayuri Satpute
Neha Thombre
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16-12-2022

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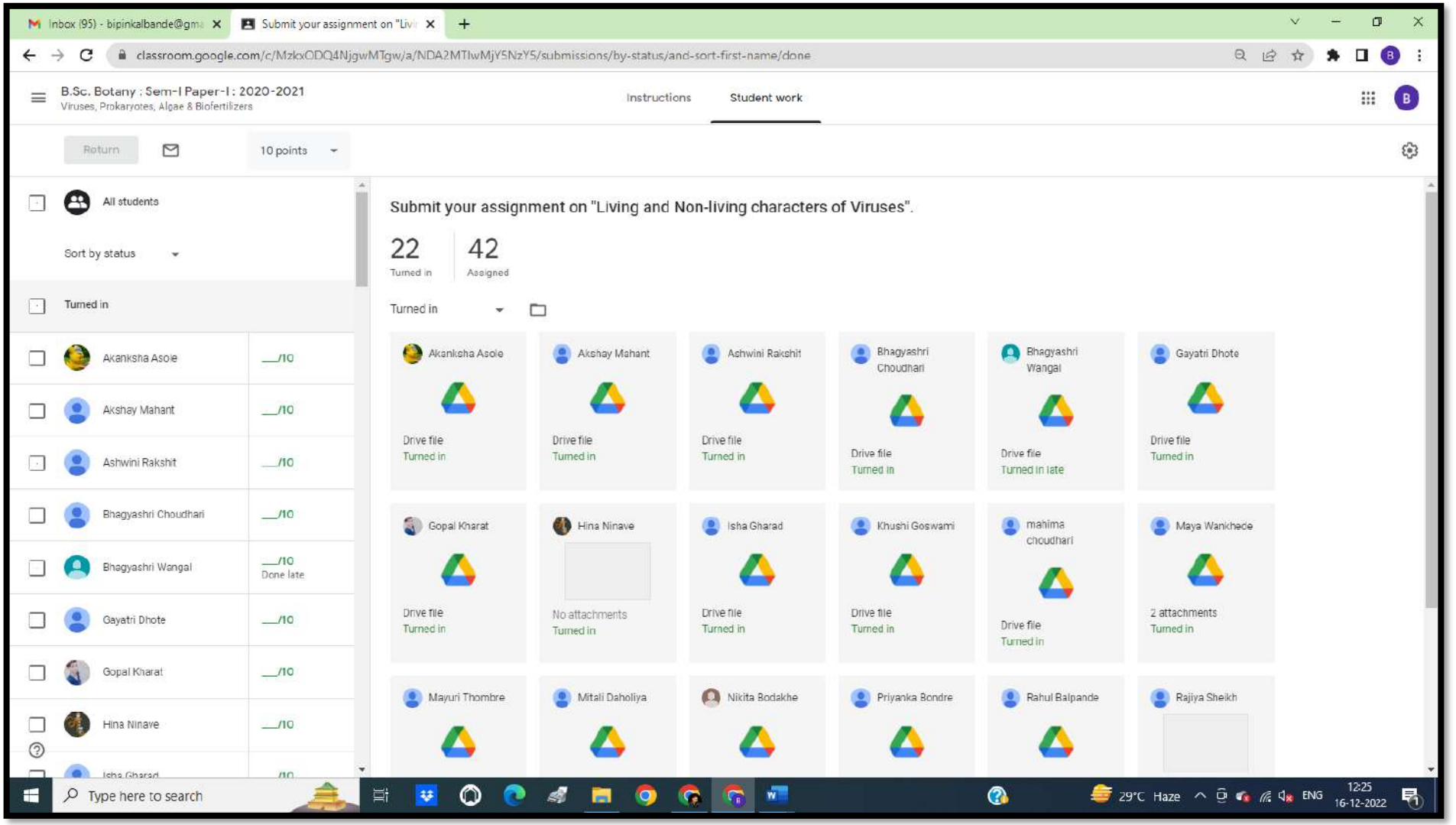

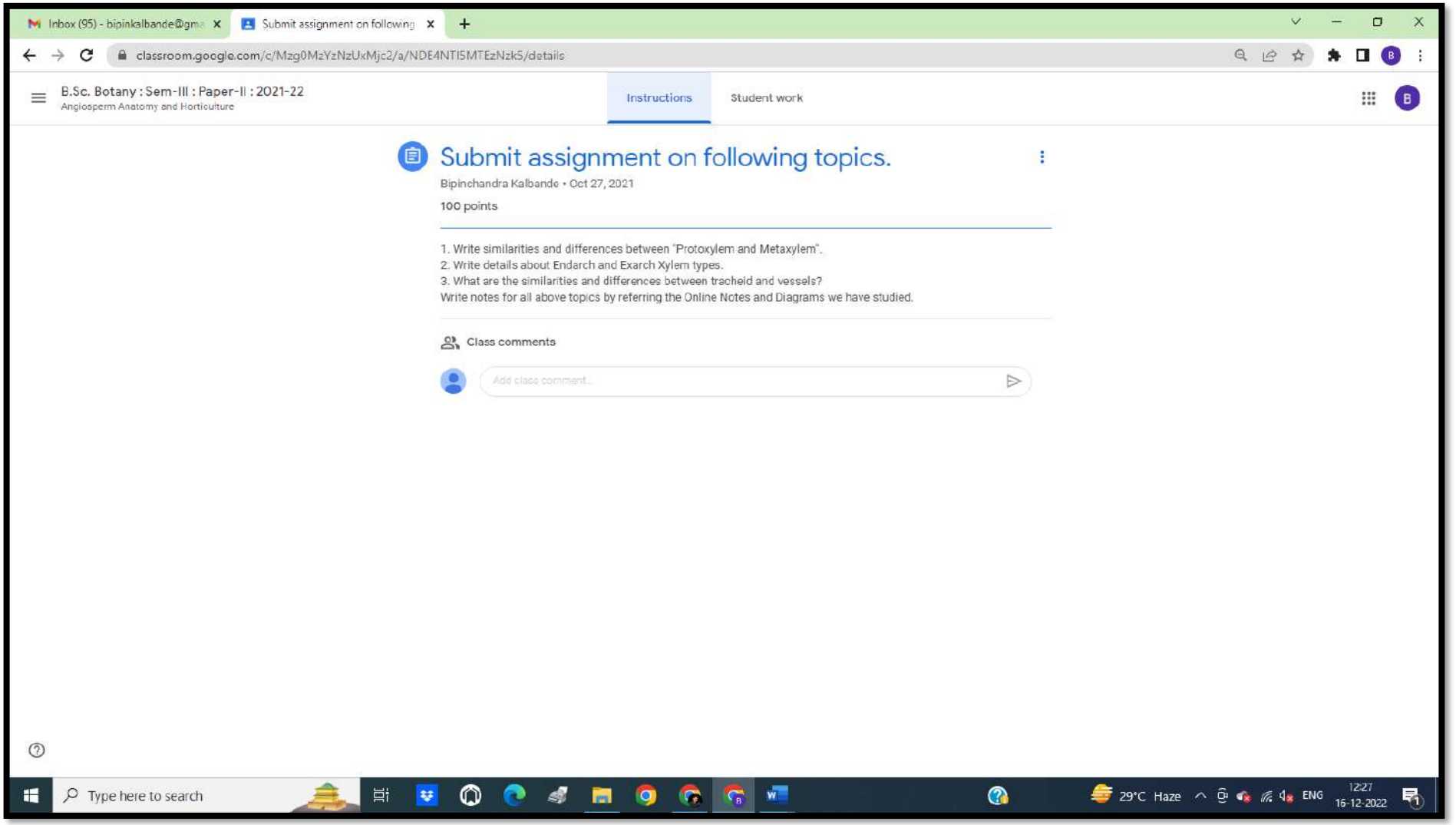
Inbox (95) - bipinkalbande@gma
Submit assignment on following
classroom.google.com/c/Mzg0MzYzNzUxMjc2/a/NDE4NTI5MTEzNzk5/details
B.Sc. Botany : Sem-III : Paper-II : 2021-22
Angiosperm Anatomy and Horticulture
Instructions
Student work
Submit assignment on following topics.
Bipinchandra Kalbande • Oct 27, 2021
100 points
1. Write similarities and differences between "Protoxylem and Metaxylem".
2. Write details about Endarch and Exarch Xylem types.
3. What are the similarities and differences between tracheid and vessels?
Write notes for all above topics by referring the Online Notes and Diagrams we have studied.
Class comments
Add class comment...
Type here to search
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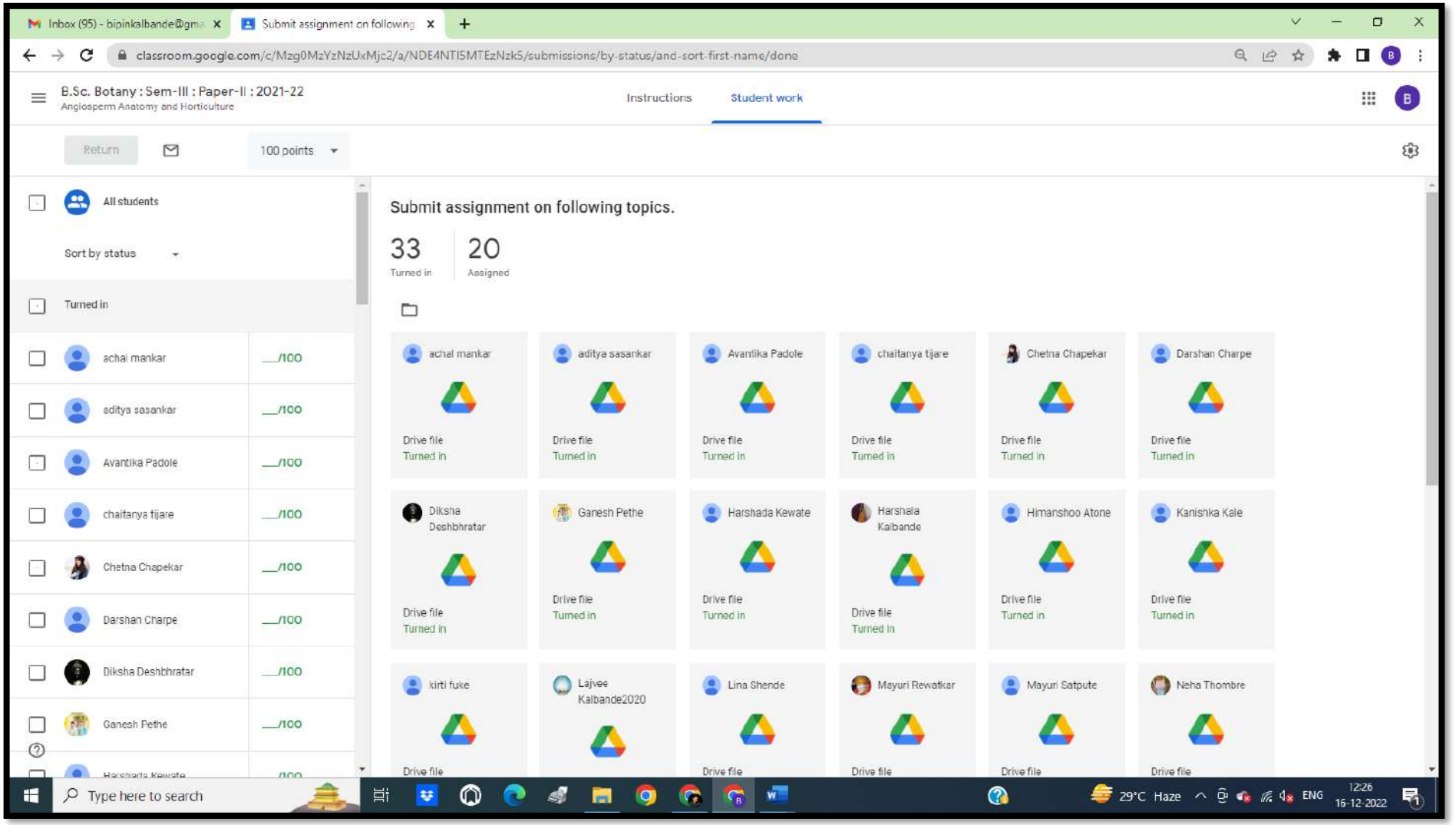
16-12-2022

Department of Botany, Nabira Mahavidyalaya, Katol.



COLLEGE ASSIGNMENT COPY

Shrikrupa स्वाध्याय पुस्तिका

Name : Rupali R. Fule

Class : BSc [Cbz) Roll No. :

Subject : Botany Year : 2021-2022

Name of Institution : NMV Katol.

Page No.

Date / /

Name - Rupali R. Fule

Sub - Botany

Class - BSc [CbZ] 1 year
2 semester

Year - 2021 - 2022

Date - 04/05/2022

Day - Wednesday

BOTANY ASSIGNMENT

Dr. B. B. Kalbande
Asst. Prof. & Head
Department of Botany.
Nabira Mahavidyalaya, Katol.

Shrikrupa

* ROOT MORPHOLOGY

* Difference bet^n tap root & adventitious root

	Tap root	Adventitious root
1)	Primary root, which persists through at the life of a plant	1) Root hairs that develop from any part of the plant except the radicle or its derivatives
2)	occurs in dicot.	2) occurs in monocots
3)	Develop from radicle.	3) Develop from an organ other than radicle
4)	Persists through out the lifetime.	4) short lived.
5)	Grow deep into the soil.	5) Does not grow deep into the soil.
6)	main root of plant from which lateral branches including secondary root and tertiary root are develop.	6) A number of root develop at a single point

* Example of tap roots

1) Coriander

1) A pure white centre tap root that is covered in small hair-like rootlets which are typically are darker shade of tan.
2) It is commonly known as cilantro.
3) Root that are about 3.5 inches in length, that are about mature enough.
4) The depth of plant 1/4"- 1/2"
5) The root depth of plant is 8-18".
6) The height of plant is 12-24".
7) The coriander plant has a tap root system.
8) It has long tap root.
9) Branches of tap root rises from thick structure under the ground and this is called main root.
10) It is soft plant.
11) It is also known as dhania or cilantro.
12) The fresh leaves and dried seed are most traditionally use in cooking.

2) Beet root

1) They have deep tap root system
2) It is also called as beta vulgaris
3) The taproot of this plant is fleshy.
4) It is a biennial plant.
5) Tap root are seen in dicotyledon
6) It is edible root - deep crimson in color
7) Root attain maximum size until october but allowed to increase in sugar content until november.

3) Onion

1) It is fibrous root
2) A bundle of fibrous root are present at the base of bulb.
3) It is superficial root system that is spread multiple direction.
4) The root is typically below the surface of soil.
5) The function of these root is water and mineral absorbtion.

4) Spinach

1) Height of this plant is 4-6 inch
2) The depth of root is 1-5 inch
3) It is deep taproot.
4) It has branching root system.
5) The leaves are smooth and flat
6) The leaves of this plant is non hairy.
7) The leaves are crinkled or savay.

5) Fenugreek

1) It is tap root but not traverse deep into soil.
2) It has also many secondary root some of these are seen growing horizontally in soil.
3) They are thick and long in nature
4) Tap root are root, they grow vertically downward.
5) They are usually seen in dicot.
6) It also have fibrous root.
7) It is also known as shallowed rooted plant.

Example of Adventitious roots

i) Wheat

1) occur in monocots.
2) Does not grow deep into the soil.
3) short - lived.
4) A number of roots develop of a single plant.

ii) coconut

1) The root system of a coconut tree consist of fibrous root developing from the stems.
2) Absorption of water and minerals.
3) Does not grow deep into the soil.
4) Develops from an organ other than the radicle.

iii) Rice (oryza)

1) Rice plants form fibrous root system.
2) Consists of an ephemeral semin-

and nodal roots with numerous lateral root

3) Morphology and anatomy of the roots which is fundamentally the same as other cereal crops has been relatively well described

* Stem description of calotropis process.

Botanical Name - Calatropias procera
Scientific Name - Milkweeds
Family - Apocynacede
Order - Mentianales
Kingdom - Plantae

General characters :-
Calatropias procera is a species of flowering plant in the family Apocynaceae that is negative calatropis procera is a well known plant and has been traditionally used for diarrhoe stomatic, sinus fistula & skin disease.
Calatropias procera is a species of flowering plant.

STEM MORPHOLOGY

* Calotropic procera

1) It is species of flowering plant
2) It is medium size tree reaching 2.5 to 6 m in height.
3) It has deep taproot, 3-4 m deep
4) Secondary root system with woody lateral roots.
5) They may rapidly regenerate adventious shoots when the plant is given
6) Young stem are grayish green in color
7) It is medical plant.
8) The grey-green leaves are 15-30cm long, 25-10 cm broad.
9) stem ~~and~~ leaves contain a milky sap.
10) The leaf part is used to treat jaundice.
11) A surface covered with hairs.
12) A stem having wax coating.

LEAF MORPHOLOGY

* Simple leaf

1) Banana (Musa spp.)
Leaf of banana are large, wide, elongated and slightly rounded, averaging 2 meter in length, while 1 meter in width, and surface of leaves are waxy, flexible, glossy and range in color from lime, olive green, dark green.

2) Mango (mangifera indica)
Its leaves being reddish-purple when young. when the leave mature into a dark green and are shiny.

3) Guava (psidium guajava)
The leaves of plant are oval in shape and average 7-15 centimeter long and 3-5 cm in width. The leave grow in an opposite arrangement, which means two leaves grow at same point on either side.

4) Hibiscus (Hibiscus rosa sunthesis, shoeblack plant)

It leaf are ovate, simple and 8 to 10 cm long

5) plumeria pudica (Nagg chafa) [नाग चाफा] leave are dark green and unique fiddle shaped or spoon shaped.

6) plumeria [Champa, Lei flower] (चाफा) champa tree leaves are in ovate shape. This tree has attractive and dark green leaves.

7) coleus [North carolina] Leaves are ovate to along toothed.

8) ficus prestige plant glossly leave and light gray trunk.

9) carica papaya (papaya) The leaves are large 50-10 cm in diameter, deeply palmately lobed.

10) Arabian jasmine (mogra) मोगरा (Jasmine) leaf is arranged oppos-

in most species

11) Croton gold dust (Joseph's coat) leaves are thin, with green orange and red with the veins often yellow depending on variety

---

* Compound leaf

1) Rose (गुलाब)

Both unipinnate and imparipinnate type of leaf do Rose plant have. The no of leaf is 5 or 7.

2) Neem

The no. of leaf in neem is 10 to 20. It is pinnately type of leaf 20 to 40 cm in length.

3) Tamarind (चिंच)

It is a pinnately compound leaf. It is also belong in unipinnate leaf. Size of leaf is less than 5 cm in length.

4) coriander (धणे)

It is a decompound leaf, leaf are variable in shape, broadly lobed at base of plant and slender and feathery higher on flowering stem.

5) mimosa (लाजवंती)

It is a paripinnate leaf which leaflet in pair, terminal leaflet being absent, the no. of leaf is seen.

	Simple leaf	Compound leaf
1)	Consists of a single lamina.	1) Consists of several leaflets.
2)	The bud is usually present at the leaf axil.	2) The bud is not present at the axil of the leaflets.
3)	Stipules may be present of the base.	3) Stipules are not present at the leaflets.
4)	An undivided leaf blade.	4) A leaf which contain a serious, of leaflets

5) Lateral bud occurs at the base of the petiole	5) There are no lateral buds at the base of each leaflet
6) example :- Mango, Javua, Peepal.	6) example :- Neem, Rose Tamarind.

1) Cabbage :- It is a type of bud It is also known as biggest recorded bud

2) Mango (mangifera indica)
The stem of plant is blackish in color The size of stem is according 12 inches to 100 inches. It has deep taproot It is an umbrella shaped crown that may reach 20 - 40cm

3) Guava (psidium guajava)
It has ~~show~~ shallow root system. It ~~produce~~ low dropping branches from the base and sucker from root The ~~trunk~~ is slender, 20cm in diameter, covered with a smooth green to red brown bark, ~~that~~ peel ~~off~~ in flake young twin are Pubesent

4) Hibiscus
The stem is erect, green cylindrical and branched. leaf is simple The root is a branched root

6) Banana :-

The 'true' stem is made up of three parts the underground rhizome, the aerial stem to ~~with~~ which are attached the inflorescence.
The stem is green in color, It size overaging at least ~~five~~ centimetre in diameter.

7) Neem

Stem of ~~this~~ plant is brown in color. It is medium size term reaching 15 to 30 cm in height, with large rounded crown up to 10-20 in diameter.

8) Plumeria

The stem is white or green is color. The stem contain a milky swap. It root are ~~fairy~~ shallow compound to height of plant.

9) Citrus

Stem are mostly winged and jointed with leave and their usually a spine

on the twigs at attachment at each stem.

A) Placentation in Monocarpellary and polycarpellary or Apocarpus pistil.

* Marginal placentation examples.

Local Name :- Chana, Harbjar
family :- Lequminoceae
Botanical Name :- cicer arientinum
origin :- south-west Asia

1) The bushy 60-cm (2 foot) plant bear feathery pinnately compound leaves.
2) The small white or reddish flower often have distinctive veins in blue or purple and are usually self-pollinated. The yellow-brown or dark green beans are borne one or two to a pod.
3) There are large and small seeded varieties.

PLACENTATION

1) Mango
The fruit develop from bicarpellary, syncarpous. superior ovary with parietal placentation

2) Apple
In apple the axial type of placentation are present, the ovule are borne at or around the centre of compound ovary on axis formed from jointed septa.

3) Tomato
It is also have axile type of placentation.

4) onion
It is also have axile type of placentation.

5) Asparagus
Axile placentation.

6) Tulip
Axile placentation

7) Mustard
It is the parietal type of placentation.

8) Gram
marginal placentation

9) Arhar
marginal placentation

10) Cucurbita
Parietal placentation

11) Pea
marginal placentation

12) Citrus
axile placentation

13) Sunflower (Helianthus annus)
Basal placentation

14) Water lily
superficial placentation.

FLOWER

* Racemose

1) Mustard

The yellow flower grow in sp like cluster of 2-12 flower and individual flower are 8mm (0.3in) in diameter.

2) Gulmohar

The flower of this plant is red in color. It is large spreading and umbrella shaped tree with light, feathery leaves.

3) Wheat

The plant is ~~tall~~ annual and typically grow to height of four feet (12m) slender stalk that produce flower.

4) Snapdragon

flower are tubular, bilaterally symmetrical usually large with closed liplike mouth that excludes most insect.

5) hardy barley
six rows barely has its spike notched on opposite, with three spikelets at each notch, each containing a small individual flower or floret that develop a kernal.

6) mimosa
It is native to southern central and south america it is widely cultivate elsewhere for it curiosity

7) Daucus (carrot)
It is lacy and usually white, although purple carrot varieties have purple flower.

8) coriander
It leaves flower and seed are all edible on can be harvested from mid-summer onwards. The flower is violet in color.

9) Pyrus terminalis
flowers of this plant 2 to 5 cm in diameter are of white color that

are slightly tinged pink.

10) Cassia sophera

The flower raceme have yellow flowers with roundish petals. The color of flower is yellow or pink slightly. It is a shrub, glabrous, about 3m in height

* CUT FLOWERS.

1) High value crops (more profit)
2) Highly perishable (that will go bad quality)
3) Quality remain best at harvest Longevity / vase life / display life / shelf life
4) The period for which flower or foollage remains in presentable from without loosing its grade and quality is known as longevity vase life, disply life or shelf life
5) Shelf life term is mostly used in case of loose flowers.
6) Cut flowers deteriarate as time passes from harvesting.

* Post harvest losses in flower
1) About 20% loss due to improper handling.
2) About 10% flower are unmarketable and are not harvested.
3) Shrinkage loss during marketing.
4) over all about 50% losses occur

* Definition of out flowers.
⇒ cut flower are flower or flower bud [often with some stem and leaf]. that have been cut from the plant bearing it. It is usually removed from plant for decoration use. Typical uses are in vase displays, wreaths and garlands. many gardener harvest their own cut flower from domestic gardens, but there is a significant floral industry for cut flower in most countries cut flower can also be harvested from the wild. The plant cropped vary by climate, culture and the level of wealth locally. often the plant are raised specifically corditions.

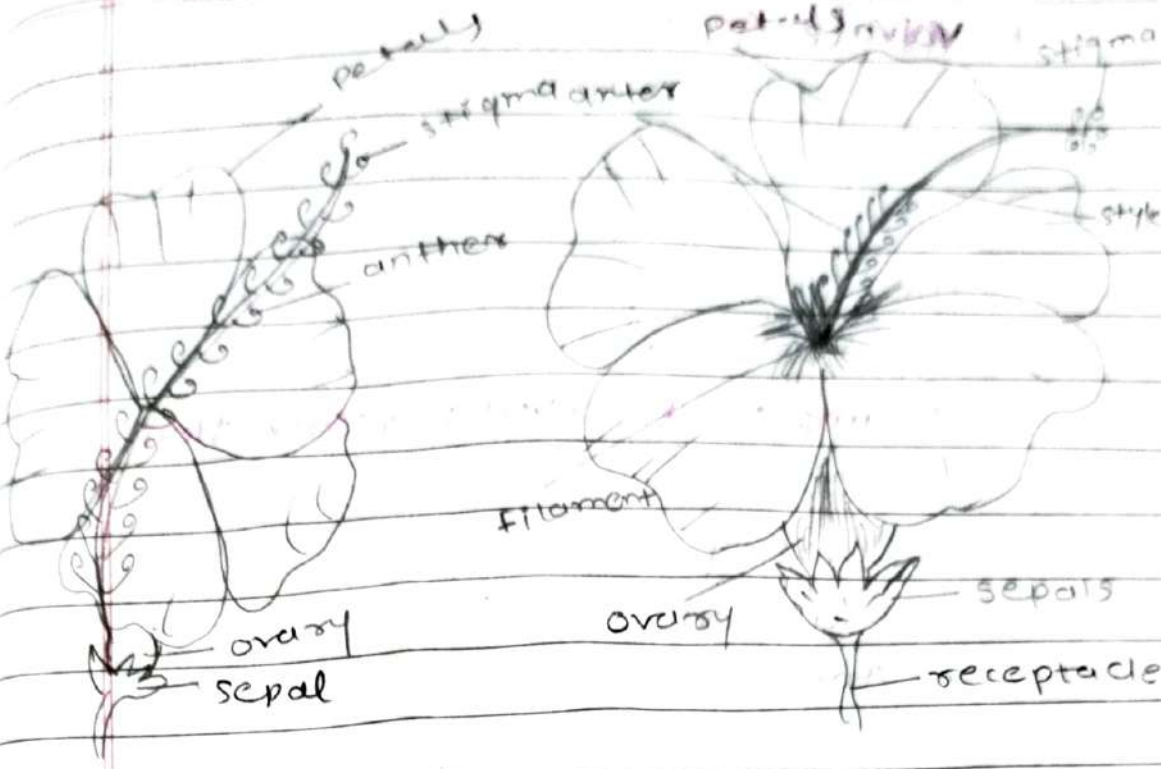
04105122

Shrikrupa

Hibiscus

* Difference between compound Hibiscus flowers and simple Hibiscus.

	Simple Hibiscus	Compound Hibiscus
1)	The five-petaled flowers are Hibiscus.	1) The five or more petals.
2)	Length is 10 cm & diameter is 4.	2) Length is 4-18 cm broad.
3)	Prominent orange tipped red anthers.	3) The flowe leaves are alternate ovate to lanceolate often with a toothed.
4)	cultivars and hybrids have flowers in a variety of colors as well as red.	4) The flower are large conspicuous trumpet shaped.
5)	White to pink, orange peach, yellow and purple some have double flowers.	5) Colours from white to pink red blue, orang peach yellow or purple.



* **Vexillary or standard**

An imbricate [descending imbricate) on which out of each the five petals the posterior one is the largest (vexillum) and covers the two lateral petals (wings) and the wings are overlap the two anterior and smallest petals.

* Example of vexillary aestivation

1) Bean flower 2) Legumes Papillonoceae

Page No.

Date

* Valvate Aestivation

When the segments of corolla are arranged in a circle and contact with each other by their margins or when they lie very close to each other or fused but do not overlapped

Example of valvate aestivation.

1) Hibiscus
2) Calotropic
3) Mustard
4) Annona

* Twisted or contricted

When are one margin of the sepals or the petal overlaps that of the nectone and the next margin overlaps the third one giving a twised appearance in the bud.

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Date

* Quincuncial Aestivation

out of five sepals or petals, two internal and remaining one is partly external and partly internal.

eg - 1) Guava 2) cassia occidentalis.

Quincuncial Aestivation

Page No.
Date : / /

Name - Nandini M. Nehare

Class - Bsc - V - Sem [CBZ]

Subject - Botany Assignment
papee - II

Nabira Mahavidyalaya Katol.

Topic - ① What if animal would be gained the ability of photosynthesis during evolution.

② local ecosystem.

Dr. B. B. Kalbande
05/05/2022
Dr. B. B. Kalbande
Asst. Prof. & Head
Department of Botany,
Nabira Mahavidyalaya, Katol.

Page No.
Date : / /

Introduction -

It would be impossible to overestimate the importance of photosynthesis in the maintence of life on earth. It is essential for the exicelence of all life on earth. photosynthesis is also responsible for production of oxygen.

This process is carried out by plant algae and some types of bacteria which captured from sunlight to produce oxygen and chemical energy started in glucose Herbivores then obtain energy by eating plant and Carnivours obtained it by eating to herbivarous.

Humen have to grow, hunt and gathered food, but many things aren't Constrained

As per rule, animals Can not do process of photosynthesis but all the Rules have some expectation. some laws of nature forces to surprised us. scientist found some animals them Can do photosynthesis.

All current situation animals can't do photosynthesis but in future during evolution periods animal may developed the characteristics like plant and they also Can do process of photosynthesis.

Photosynthesis -

photosynthesis is the process by which green plants and Certain other organisms transform light energy into chemical energy.

Page No.
Date : / /

During the photosynthesis in a green plants, light energy is captured used to convert water, Carbon di-oxide and minerals into oxygen and energy rich organic Compound plant use sunlight, water & Co_2 to create oxygen and energy in form of sugar.

Process -

During photosynthesis, plant take in a Carbon di-oxide (Co_2) & water (H_2O) from the air and soil. within the plant cell, the water is oxidized this transform the water into oxygen and the Carbon di-oxide into glucose. the plant then release the oxygen back into the air, and stores energy within the glucose.

Reaction -

$$6Co_2 + 6H_2O \longrightarrow C_6H_{12}O_6 + 6Co_2$$

Chlorophyll pigment that gives their green colour, and it helps plants create their own food through photosynthesis.

photosynthetic pigment -

- Chlorophyll a
- Chlorophyll b
- xanthophylls
- Carotenoids

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Stages of photosynthesis -

light - dependent Reaction / light Reaction
light - Independant Reaction / Dark Reaction

Factors Affecting photosynthesis -

- light Intensity
- The Concentration of Co_2
- Temperature
- Water
- pollution

Chlorophyll is green pigment found in the chloroplast of the plant cell and in the mesosomes of Cyanobacteria.

Both plant and animal cells are the eukaryotic, so they can contain membrane bound organells like nucleus and mitochondria. However plant cells and animal cells and animal do not look exactly the same or have all of some organelles.

plants & animals have different needs plants cell contain chloroplast so they need to perform photosynthesis, but in animals cells do not contain chloroplast they do not perform photosynthesis. mitochondria, but only plant cell have chloroplast.

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The various form in which animals and plants are interdependent in the environment depend on each other for essential survival needs such as food, shelter etc. plant produce food for both human & animals who can not build on their own as plant do interdependence of plant and animals is also shown in food chain of ecosystem.

If plants will not be able to perform photosynthesis. Without the photosynthesis, there would be not - supply of oxygen and slowly the oxygen would get used up oxidation such rust - formation further, by removing plants all of many animals that depend on plants would get very hungry and may die gradually.

Animal can't do the process of the photosynthesis. plants have an organelle called chloroplast. which contain the pigment chlorophyll. But animal cell do not have chloroplast. nor they take carbon di-oxide. so they can not perform the process of a photosynthesis. That's why animal can not make their food from carbon-di-oxide sunlight and water also hence owe to the presence of chlorophyll pigment in plant they make their own food called as Autotrophs. animals are the Heterotrophs

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Animal cells lack of chlorophyll because they are non-photosynthetic & Heterotrophic. Only plants make their own food. As a rule of nature, animals cannot make their own food they cannot do photosynthesis But all the rules have some exceptation. That's a mystery for another time nature never fails to surprised us. Sometimes, the laws can be broken scientists have found some animals that can, just like plants, survive photosynthesis, make their own foods.

* Incredible Creature that can Survive using photosynthesis.

The sea slug - [Elysia chlorotica]

Sea slug is an extraordinary beautiful slug living in the waters of the east Coast of the united state (US) and Canada. It is a distinctive features is green Coloured leaf-shaped body. The slug eats algae (Vaucheria litorea) But its not its only source of energy

It seems like this slug stole photosynthestic organells. & some gene from algae which enables them to live without eating. they can speed their days laying out in the sun and just like plants and green algae get their energy through photosynthesis.

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The pea Aphid - [Acyrthosphon pisum]

Pea Aphid is an insect living world-wide that feeds on plants. Even though they may look like any insect, unpleasant as even terrifying to some, they are truely amazing are capable of producing Carotenoids pigments found in chloroplast & chromoplasts giving them orange-reddish colour & helping chlorophyll with photosynthesis. It also seems like Carotenoid serve not only as a beauty Compounds but then can also be used to convert sunlights into energy. However, these correlation are not yet clear & well researched.

The spotted salamander - [Ambystoma maculatum]

Is just like a sea slug. It lives in symbiotic relation with the algae. They were found in embryoes of the animal the salamander's embryo found in clear coloured eggs laid by female on the underwater plants, close to the surface, so that the light can reach them.

Embryo get much-needed energy for growth and development from sunlights while providing an extra source of energy this in turn increase chances of survival spotted salamander are the highest developed animal species. and the only one among

the all vertebrae, that can directly benifit from photosynthesis.

In evolution stage, animals evolve like plant. How they evolved are not supposed.

The complex reaction of photosynthesis can be summarized by the chemical equation shown in fig.

photosynthesis equation

Carbon dioxide + water $\xrightarrow{\text{sunlight}}$ sugar + oxygen

$6CO_2$ $6H_2O$ $C_6H_{12}O_6$ $6O_2$

Evolution of photosynthetic pathways.

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CONCLUSION -

The process of photosynthesis originated early in the earth's history and has evolved to its current mechanistic diversity and phylogenetic distribution by a complex non linear process. Current evidence suggests that the earliest photosynthetic organisms were anoxygenic, that all photosynthetic RC_s have been derived from a single source, and that antenna system and Carbon fixation pathways have been invented multiple times.

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Local ecosystem -

An ecosystem is comprised of all of the non-living elements and living species in a specific local environments.

Ecology -

Ecology is the study of organisms and how they interact with the environment around them.

Ecology is a branch of science, including human science, population, community ecosystem and biosphere.

An ecologists goal is to improve their understanding of life process, adaptation and habitats interaction and biodiversity of organisms.

eg - studying a food chain in wetlands area.

Ecosystem -

An ecosystem comprises all the living things and non-livings environments of a particulars defined area. The size of a ecosystem can vary enormously.

It includes living (plants, animal and organisms & non-living (earth, sun, weather) etc.

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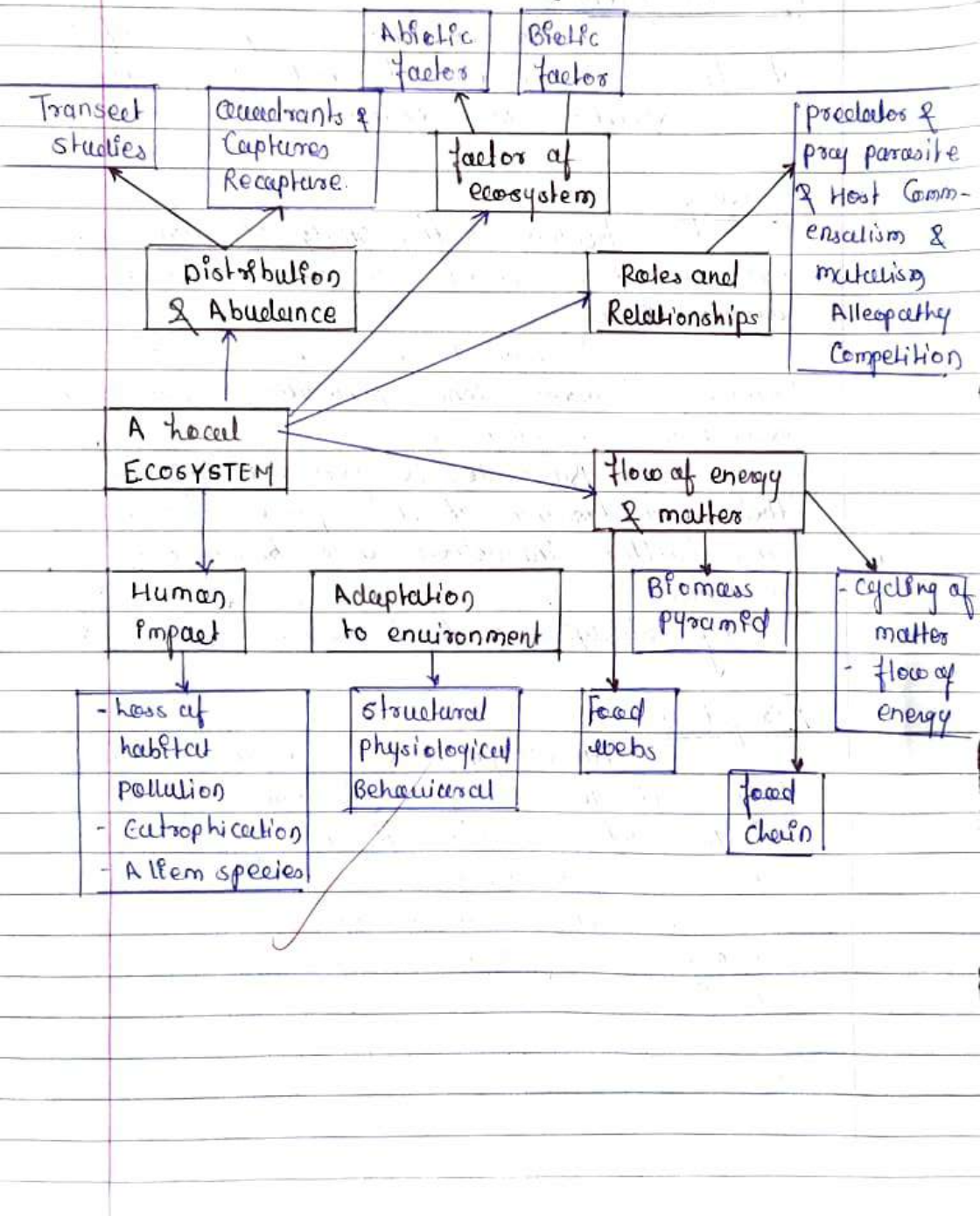
Mind Map of a local ecosystem -



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Distance & Abudance of organisms -

Distribution ecology refer to where within an ecosystem the individual of a species are located.

Abudance refer to how many individual are in population of a species in ecosystem.

Transet study -

A transet study is like a cross-section through the ecosystem.

The idea is to define a line that cuts right across the area being studied. This could be a string line or a series of marker sticks hammered into the soil.

Often plant are the main subject of a transect study, because many animals move around so far and so quickly that they can not studied.

Quadrat studies -

A quadrant is a simple wire, wooden or plastic frame that is dropped onto the ground of random throughout the study area.

The estimated population is found by a 'scaling up' from the area of the quadrat to the total area being studied quadrat methods is an estimated only.

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Factor of an ecosystem -

Two factors of ecosystem biotic & abiotic

Abiotic - Factors refer to non-living physical and chemical elements in the ecosystem. Abiotic resources are usually obtained from the lithosphere, atmosphere & Hydrosphere.
eg - water, air, soil, sunlight, and minerals.

Biotic - Factors are living or once-living organisms in the ecosystem those are obtained from the biosphere and are capable of reproduction.
eg - animals, birds, plant, fungi, and other similar organisms.

An aquatic ecosystem is water based environment plant and animals intract with biotic & abiotic factors of aquatic ecosystem. A marine ecosystem and freshwater ecoystem.

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Comparison Chart -

differences - similarities -

	Abiotic	Biotic
Introduction -	In ecology and a biology, abiotic components are non-living chemical & physical factors of the environment which effects ecosystem.	Biotic describe a living components of a eco-system for example of organisms a such as a plant and the animals.
Examples -	water, light, wind, soil Humicity, minerals and gases.	All living things - Autotrophs & heterotrophs plant, animal fungi, Bacteria.
factors -	Affect the ability of organism to survive, reproduce, help determine types & number of organism able to exist in environment. limiting factors restrict growth.	living things that directly or indirectly affect organism in environment. organisms interaction, waste, parasitism, disease and predation.
Affects -	Individual of a species population, Community ecosystem, biome and biosphere.	Individual of a species population Community ecosystem, biome, and Biosphere

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Adaptation -

Their body is streamlined & hence they can swim easily. All animals are the physiologically adapted to their particular environments and therefore pond organisms developed special characters to enable them to move, obtain food. adaptation can be identify by observation of behaviors, moment and lifecycle.

Changes -

Increase in water temperatures as a result to climate change will fundamental ecological process and the geographic distribution.

Temperatures -

Temperature is also important because of its influence on water. warm water hold less dissolved oxygen than cool water, and may not contains than cool water some compounds are also more toxic to aquatic life at a higher temperatures.

Role and Relationship Bet'n organisms.

Ecology is about relationships of organism like predator - prey.

Although animals eat living plant, this process is not reffers as predation

A predator is an organism that eats another organism.

The prey is the organism which the predators eats.

predator		prey
lion	→	Zebra
Bear	→	fish
fox	→	Rabbit

Both predator & prey have impact on each other's distribution & abudence.

Flow of energy -

Energy flow is the flow of energy through living things within an ecosystem. and organised into producer to Consumer and those producer to Consumer further organized a food chain.

Food chain -

A food chain is a linear network of linkes in a food web starting from producer organism and ending at an apex predator species, detercivores or decomposer

Each level of a food chain represent a different trophic level.

eg - Grass (producer) → Grasshoper (primary Consumer) → Bird (secondary)

Bird → Snake (Tertiary Consumer)

Snake → Eagle (Apex predator)

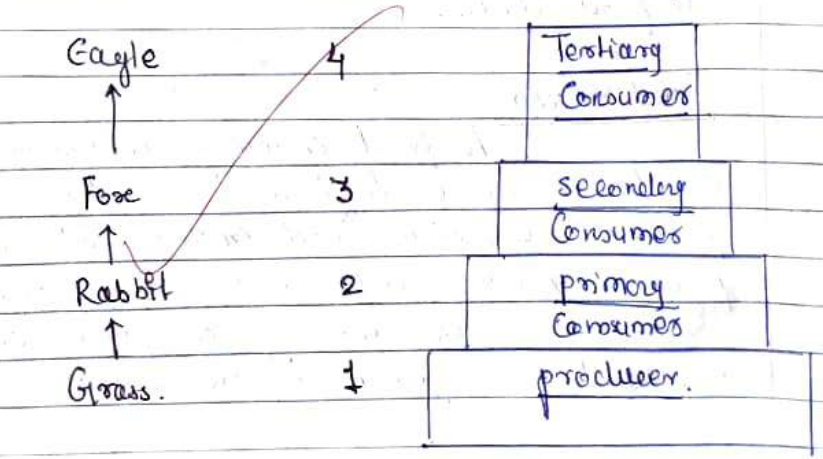
Eagle → Decomposer

Biomass pyramid.

A Biomass pyramid is the representation of total living biomass or organic matter present at different trophic level in an ecosystem.

Biomass is calculated as the mass of living organism present at each tropic level. The pyramid of biogas show the flow of energy from producer to the Consumers.

food chain	Traphic level	pyramid of Biomass



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Cycling of matter -

The movements of matter through the living and non-living part of an ecosystem is a continuous cycle.

Cycle of matter are called Biochemical cycles.

They are as follow -

- water cycle
- Carbon cycle
- Nitrogen cycle
- phosphorus cycle.

Intraction

Commensalism -

Commensalism, a relationship between individual of two species in which one species obtain food or other benifits from the other without either harming or benefiting the latter.

eg - Birds nesting in a tree - the birds gain a safe and secure nest site while the tree is unharmed.

Mutualism -

Mutualism, is an interaction between individual of different species benefit from relationship.

eg - Herbivores and bacteria - Animals with a diet rich in Cellulose on bacteria in

In their digestive tract to break down. Both species obtain food from the relationship.

Parasitism -

parasitism occure when one organism feeds on another without killing it. or often necessary harming the host greatly.

eg -

Humans & tapeworm - the tapeworm absorbs food inside in the host.

Allelopathy -

Alleopathy occure between plant and fungi one organism directly inhibits the growth and development of other by a releasing toxin.

eg -

fungus penicillium is a allelopathic to some bacteria.

Humans Impact on Ecosystem -

As a Human society has grown the global we have a negative impact on many ecosystem.

Pollutions -

Many human activities produce chemical byproduct that can harm the environments.

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Acids rain has a highly destructive effect on wetland, lakes and forest in a addition to the cultural damage it can cause to building.

pesticides and industrial poisons (heavy metals) can build up in communities and reach toxic level.

Defarestation :

The most common pressurne causing deforestation and serve forest degradation are agriculture, unsustable forest managments mining, infrastructure project and increased fire incidence.

forest cover about 30 percentage of the total planet land mass, but humans are cutting down, clearing these essential habitats on a massive scales.

Eutrophication :

Eutrophication occure when rivers and strems are over-fertilized by human sewarage and agricultured run-off.

The gradual increase in the concentration of phosphorus, nitrogen and other plants nutrients in an aging aqueatic ecosystem such as lake. excessive riches of the nutrients. This can be problem in marine habitats as it cause algae blooms.

The results is that algae living in the waterways are stimulated to grow often to so point where they choke waterways when waterways resulting in widespread fish kills.

Loss of habitat -

Habitat destruction is the process by which a natural habitat becomes incapable of supporting its native species. The organism that previously inhabited the sites are displaced or dead.

Habitat destruction is the leading cause of biodiversity loss. It is main issue for 85 percentage of all threatened animal species.

Introduction of Alien species -

A number of foreign, alien species have been introduced to Australia that have had a marked impact on local ecosystem and organisms.

eg - Cattle, pigs, Cats, Camel and Cane toads.

Tanmay Talbande
05/05/2022

VIJAYANT
PAGE NO.
DATE

Name :- Yogita Gajendrarao Bhugare.

Class :- BSc V th sem {CBZ}

Subject :- Botany

Bipin Kalbande
05/05/2022
Dr. B. B. Kalbande
Asst. Prof. & Head
Department of Botany,
Nabira Mahavidyalaya, Katol.

Topic :-

"What if animals Would have gained the ability of photosynthesis evolution ?"

* Photosynthesis :-

Photosynthesis is the process by which green plants and certain other organisms transform light energy into chemical energy.

During the photosynthesis in green plants light energy is captured used to convert water carbon dioxide and minerals into oxygen and energy-rich organic compounds plant use sunlight water & CO_2 to create oxygen and energy in form of sugar.

* Process :-

During photosynthesis plant take in carbon dioxide (CO_2) & water (H_2O) from the air and soil within the plant cell the water is oxidized This transform the water into oxygen and the Carbon dioxide into glucose The plant the plant then release the oxygen back into the air and stores energy within the glucose.

* Reaction :-

$$6CO_2 + 6H_2O \longrightarrow C_6H_{12}O_6 + 6CO_2$$

* Introduction :-

It would be impossible to overstimate the importance of photosynthesis in the maintenance of life on Earth It is essential for the existence of all life on earth photosynthesis is also responsible for production of oxygen.

This process is carried by plant algae and some types of bacteria which capture from sunlight to produce oxygen & chemical energy ~~stored~~ stored in glucose. Herbivores then obtain energy by eating plants & comivores obtain it by eating to herbivores.

Human have to gromes hunt & gathered food but many things arenit constrained.

As per rule Animals can not do process of photosynthesis but all the rules have some exception some laws are of nature never fails to surprise us scintists found some animals that do photosynthesis.

At current Sitiution animal can't do photosynthesis but in future during evolution period animals may develop characteristic like plant and they also can do process of photosynthesis.

Chlorophyll pigment that given true green colour and it helps plants to create true own food through photosynthesis.

Photosynthetic Pigments :-

- Chlorophyll a
- chlorophyll b
- Xanthophylls
- Carotenoids

Stages of photosynthesis :-

light - dependent Reaction / light Reaction
light - Independent Reaction / Dark Reaction

Factors Affecting photosynthesis

- light Intensity
- The concentration of CO_2
- Temperature
- water
- pollution.

Chlorophyll is green pigment found in the chloroplast of the plant cell & in the mesosomes of cynobateria.

Both plant and animal cells are eukaryotic so they can contain membrane bound organells like the nucleus and mitochondria However plant cells and animals cells and animal cells do not look exactly the some or have all of some organells.

Plant & Animals have diffent need plant cell contain chloroplast so they need to perform photosynthesis but in animals cells do not contain chloroplast they do not perform photosynthesis Mitochondria but only plant cell have Mitochondria.

The various forms in which animals and plants are interdependend in the enviroment depend on each other For essential survival needs such as food shelter etc. plant produce food For both Animals cells lack of chlorophyll because they are non-photosynthetic & heterotopic.

Only plants make their own food as a rule of nature, animals connot make their own food they connot to photosynthesis. But all the rules have another time Nature never fails to surprise us, sometimes "the laws" can be booken. Scintists have found some animals that can just like plants survive on photosynthesis make their own

Food

Incredible Creatures That can Survive Using photosynthesis :-

The sea slug :- (Elysia chlorotica)

Sea slug is an extraordinarily beautiful slug living in the waters of the east cost of the United State (US) and canada. It is distinctive feature is green coloured leaf - shaped body. The slug eats algae (Vaucheria litorea) but its not its only source of energy.

It seems like this slug stole photosynthetic organells (Chloroplast) & some gene from algae which enable them to live without eating. They can spend there days laying out in the sun and just like plants and green algae get there energy through photosythesis. The symbiosis that enable algae chloroplast to work for slug is called kleptoplasty.

The Pea Aphid :- {Acyrthosiphon pisum}

Pea Aphid is an insect living worldwide that feeds on plants. Even though they may look like any insects, unpleasant or even terrifying to some they are truely amazing are capable of producing carotenoid pigments found in chloroplast & ~~tobate~~ chlorophyll with photosynthesis. It also seems like carotenoids serve not only as a beauty

Compound but they can also be used to convert sunlight into energy. However these association are not yet clear & well researched.

The spotted Salamander :-
{ Ambystoma Maculatum }

Is just like a sea slug it lives in symbiotic relation with the algae. They were found in embryos of the animals. The salamanders embryo found in color coloured eggs laid by the females on the underwater plants close to the surface so that the light can reach them.

Embryos get much-needed energy for growth and development from sunlight while providing and extra source of energy this in turn increase chances of survival spotted salamander are the highest develop animal species and the only one among the all vertebrate that can directly benefit from photosynthesis.

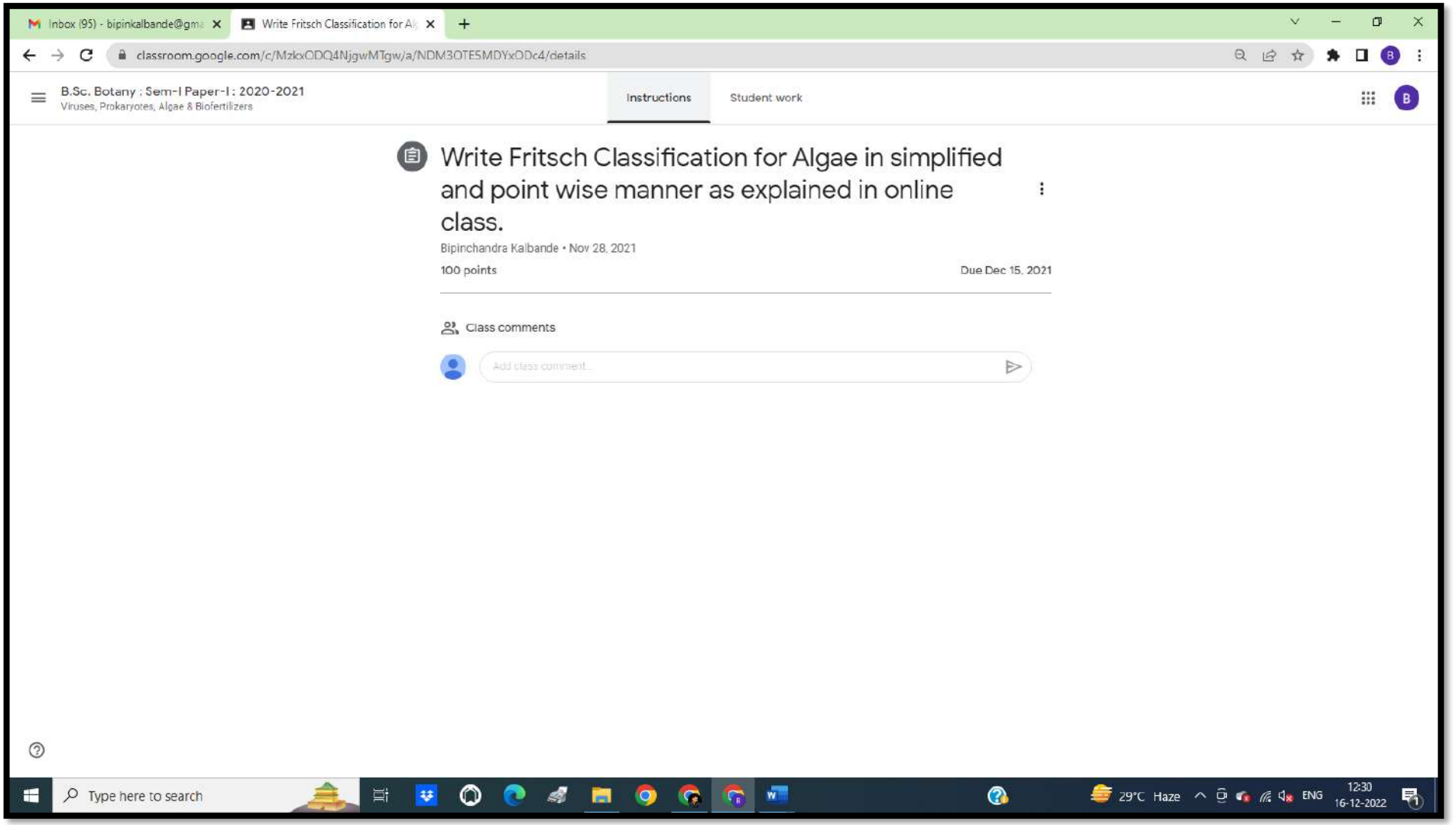
In evolution stage animal evolve like plant. How they evolved are not supposed.

If the animals gained the ability of photosynthesis during evolution then -

Bipin Albanda
05/03/2022

Assignments were given to all the even and odd semester students, online on Google Classroom as well as offline, for evaluation of University Theory Internal Marks.

Session 2021-22


Inbox (95) - bipinkalbande@gma
Write Fritsch Classification for Al
classroom.google.com/c/MzkxODQ4NjgwMTgw/a/NDM3OTE5MDYxODc4/details
B.Sc. Botany : Sem-I Paper-I : 2020-2021
Viruses, Prokaryotes, Algae & Biofertilizers
Instructions
Student work
Write Fritsch Classification for Algae in simplified and point wise manner as explained in online class.
Bipinchandra Kalbande • Nov 28, 2021
100 points
Due Dec 15, 2021
Class comments
Add class comment...
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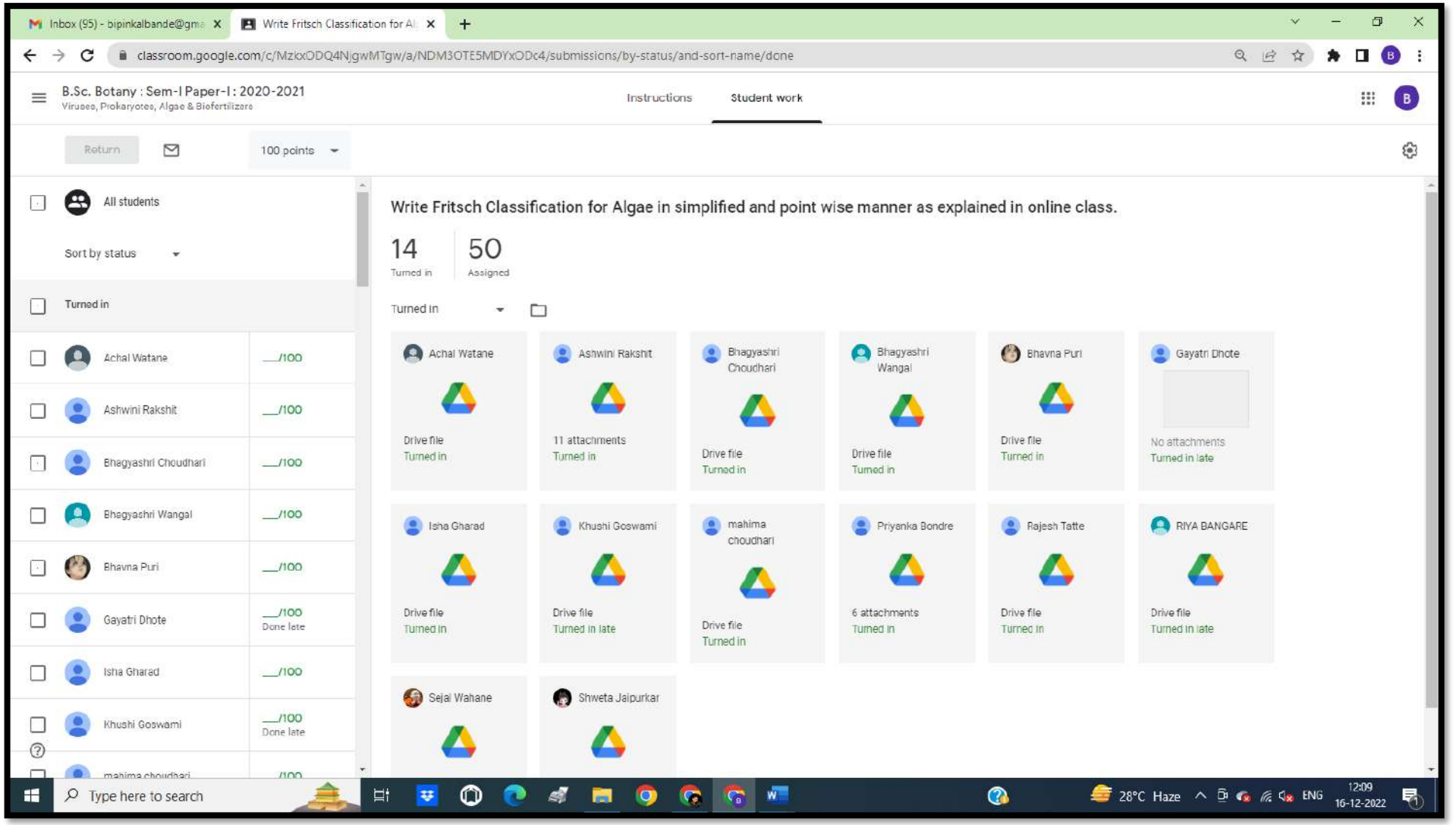
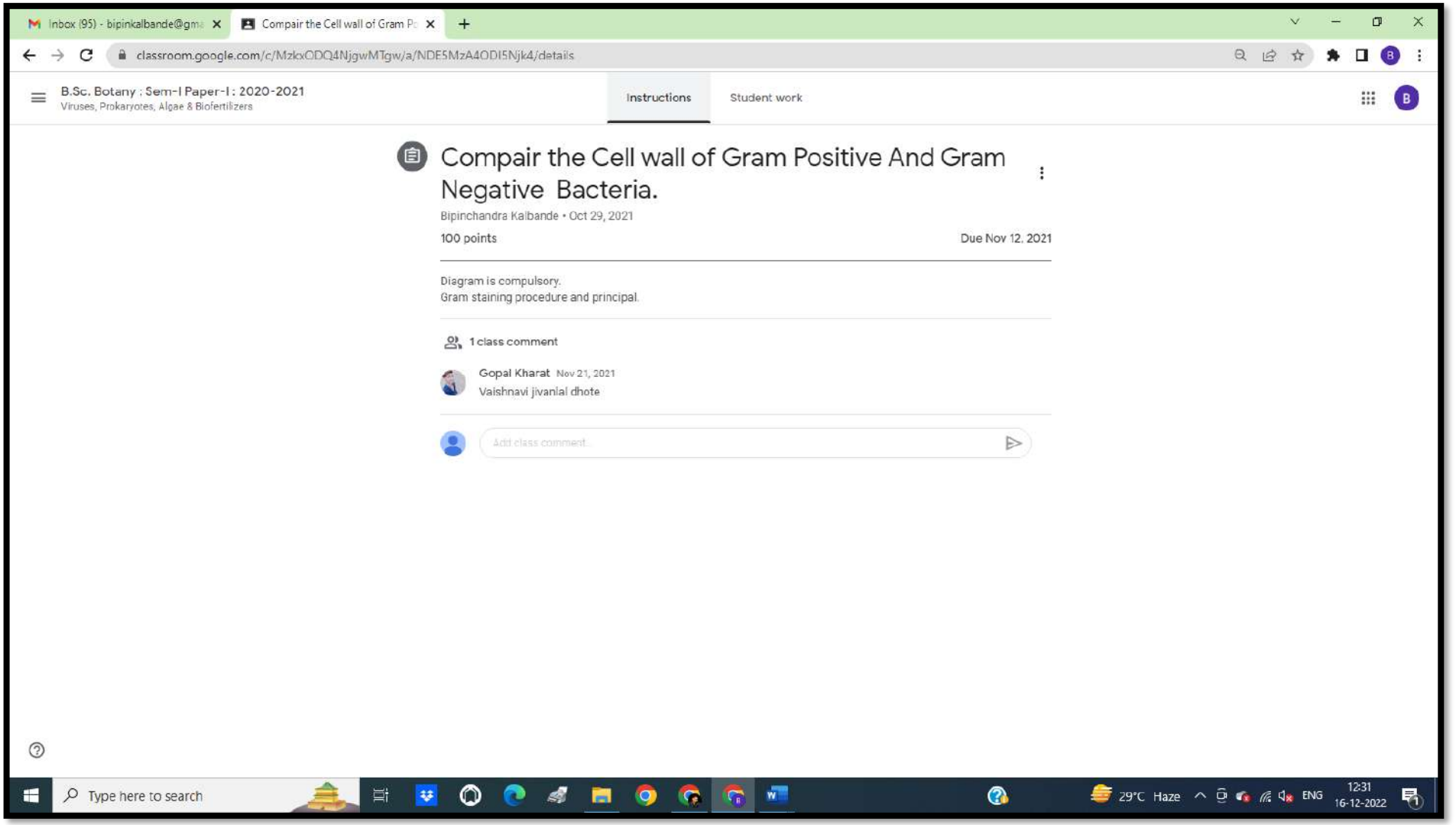
ENG
12:30
16-12-2022

Department of Botany, Nabira Mahavidyalaya, Katol.




Inbox (95) - bipinkalbande@gma
Compair the Cell wall of Gram Po
classroom.google.com/c/MzkxODQ4NjgwMTgw/a/NDE5MzA4ODI5Njk4/details
B.Sc. Botany : Sem-I Paper-I : 2020-2021
Viruses, Prokaryotes, Algae & Biofertilizers
Instructions
Student work
Compair the Cell wall of Gram Positive And Gram Negative Bacteria.
Bipinchandra Kalbande • Oct 29, 2021
100 points
Due Nov 12, 2021
Diagram is compulsory.
Gram staining procedure and principal.
1 class comment
Gopal Kharat Nov 21, 2021
Vaishnavi jivanlal dhote
Add class comment...
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16-12-2022

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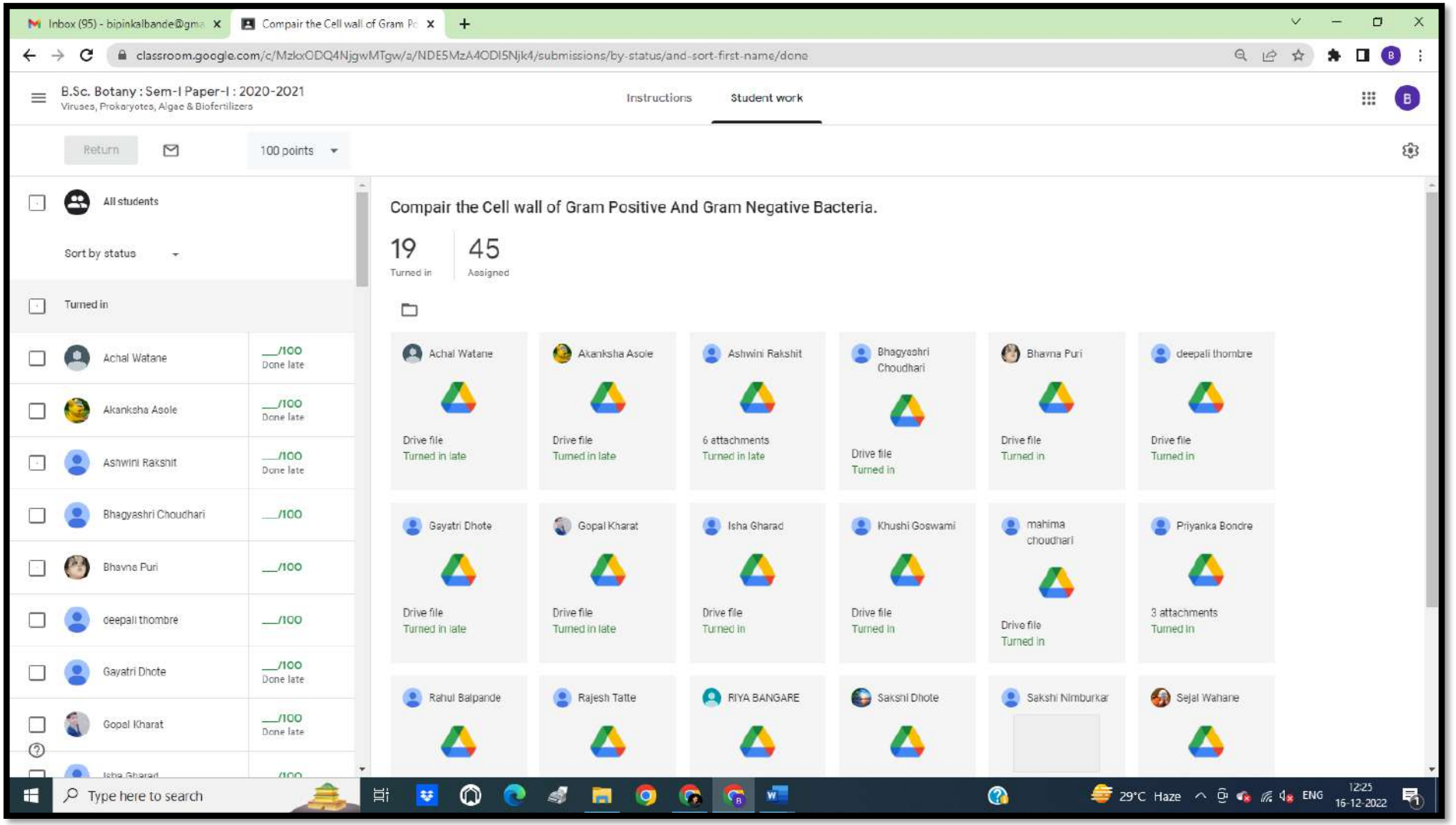

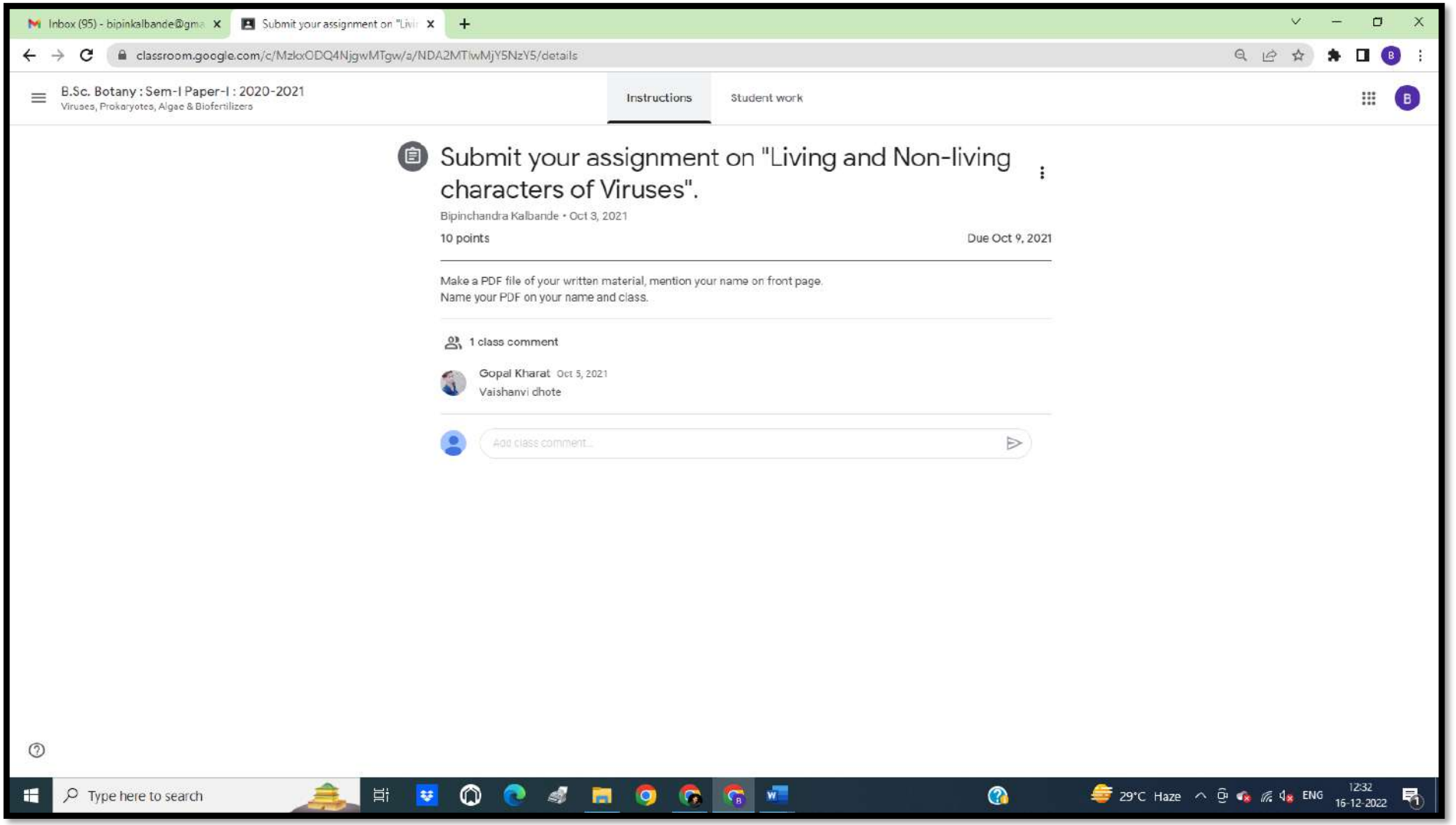
Inbox (95) - bipinkalbande@gma
Submit your assignment on "Livi
classroom.google.com/c/MzkxODQ4NjgwMTgw/a/NDA2MTIwMjY5NzY5/details
B.Sc. Botany : Sem-I Paper-I : 2020-2021
Viruses, Prokaryotes, Algae & Biofertilizers
Instructions
Student work
Submit your assignment on "Living and Non-living characters of Viruses".
Bipinchandra Kalbande • Oct 3, 2021
10 points
Due Oct 9, 2021
Make a PDF file of your written material, mention your name on front page.
Name your PDF on your name and class.
1 class comment
Gopal Kharat Oct 5, 2021
Vaishanvi dhote
Add class comment...
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16-12-2022

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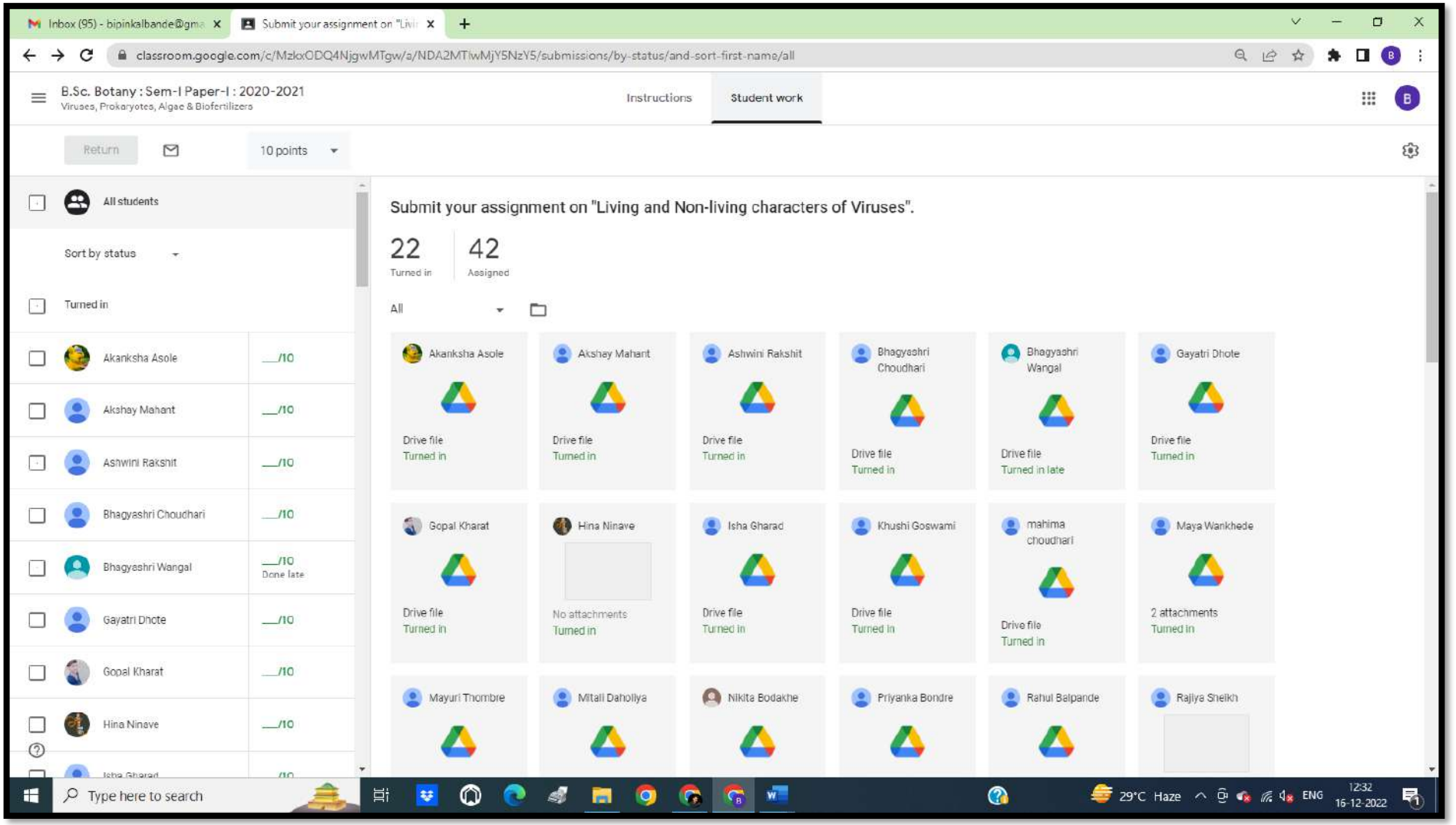

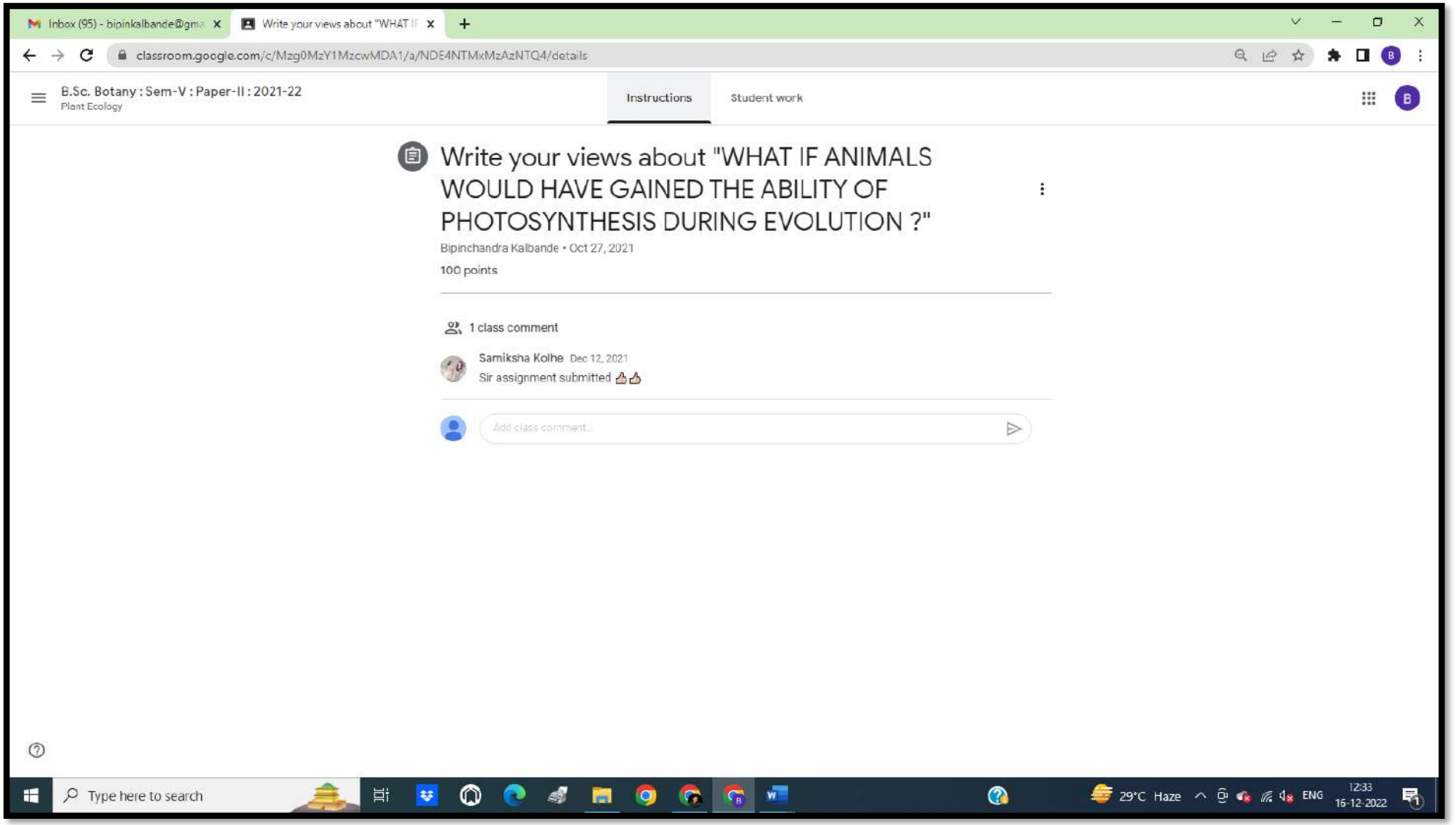
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Write your views about "WHAT IF
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B.Sc. Botany : Sem-V : Paper-II : 2021-22
Plant Ecology
Instructions
Student work
Write your views about "WHAT IF ANIMALS WOULD HAVE GAINED THE ABILITY OF PHOTOSYNTHESIS DURING EVOLUTION ?"
Bipinchandra Kalbande • Oct 27, 2021
100 points
1 class comment
Samiksha Kolhe Dec 12, 2021
Sir assignment submitted
Add class comment...
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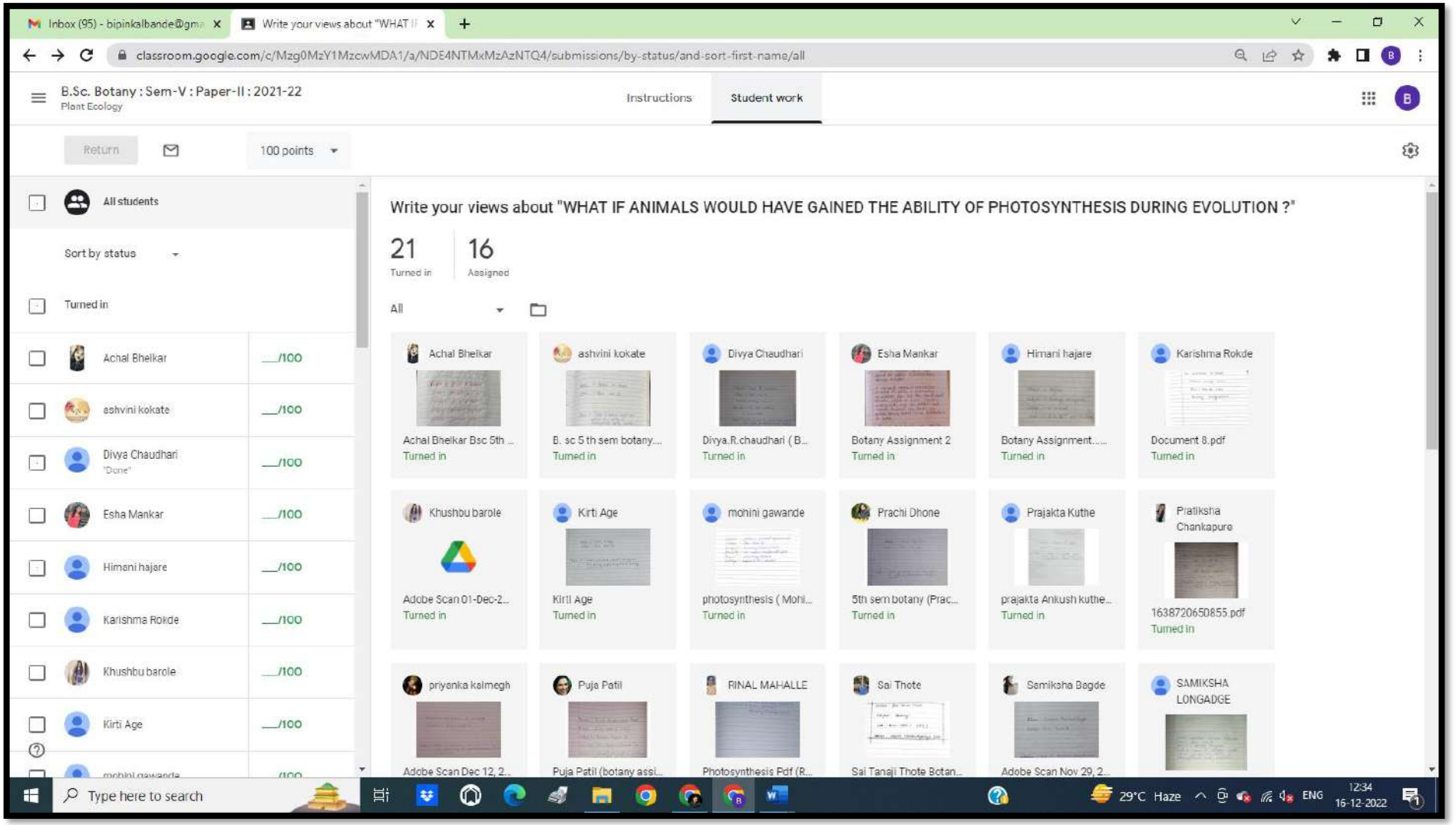
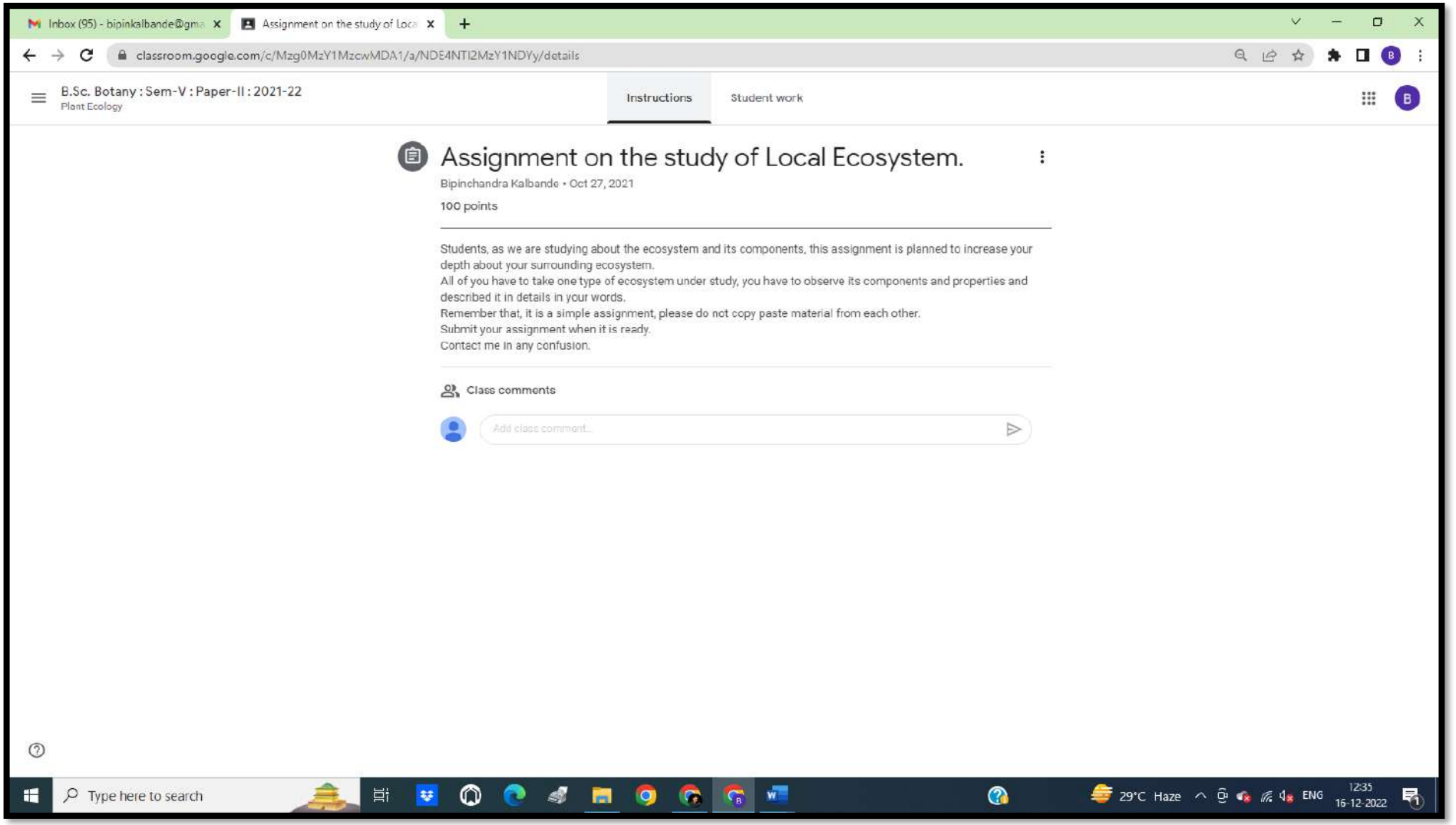
16-12-2022

Department of Botany, Nabira Mahavidyalaya, Katol.




Inbox (95) - bipinkalbande@gma
Assignment on the study of Loca
classroom.google.com/c/Mzg0MzY1MzcwMDA1/a/NDE4NTI2MzY1NDYy/details
B.Sc. Botany : Sem-V : Paper-II : 2021-22
Plant Ecology
Instructions
Student work
Assignment on the study of Local Ecosystem.
Bipinchandra Kalbande • Oct 27, 2021
100 points
Students, as we are studying about the ecosystem and its components, this assignment is planned to increase your depth about your surrounding ecosystem.
All of you have to take one type of ecosystem under study, you have to observe its components and properties and described it in details in your words.
Remember that, it is a simple assignment, please do not copy paste material from each other.
Submit your assignment when it is ready.
Contact me in any confusion.
Class comments
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16-12-2022

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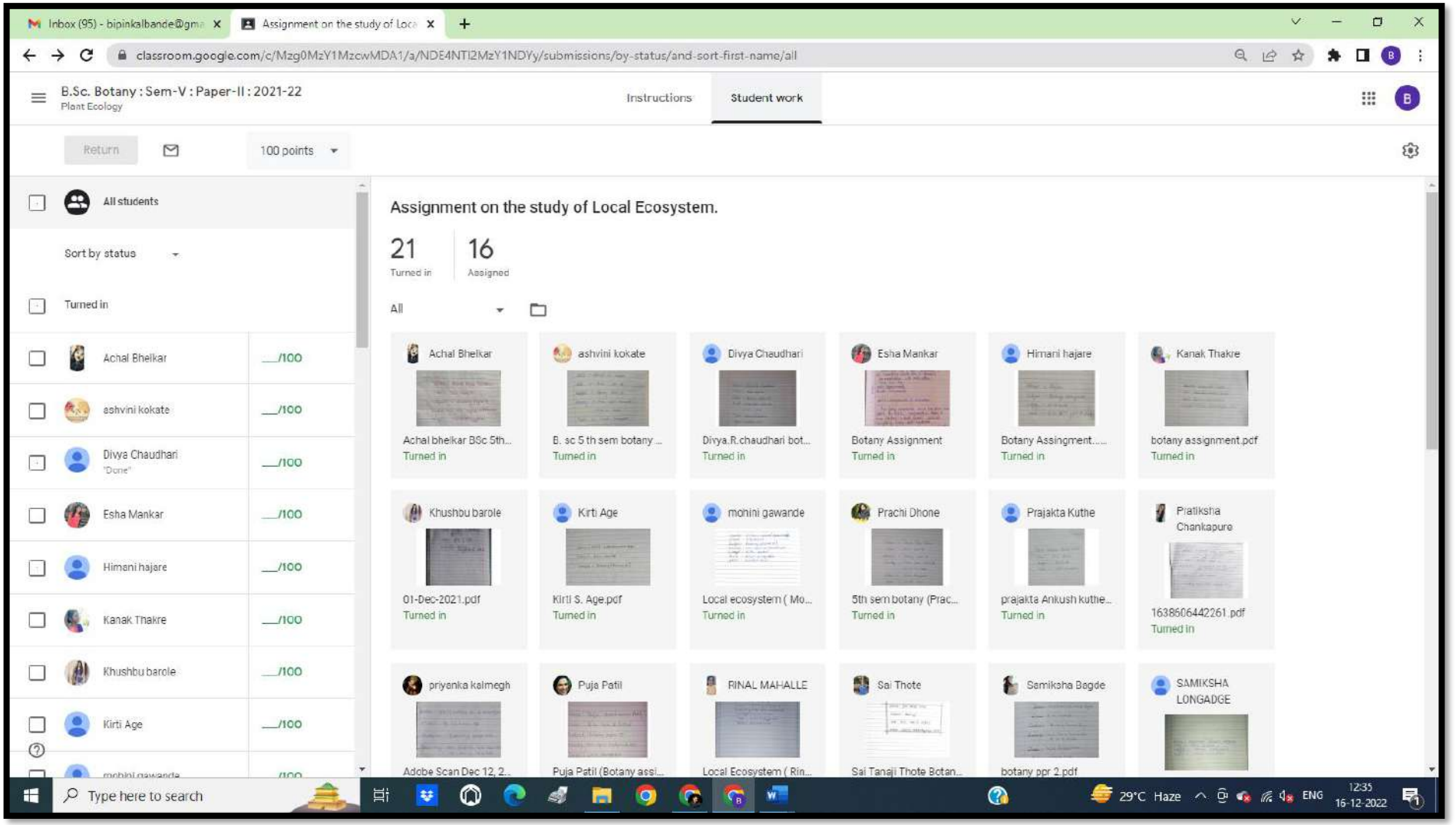

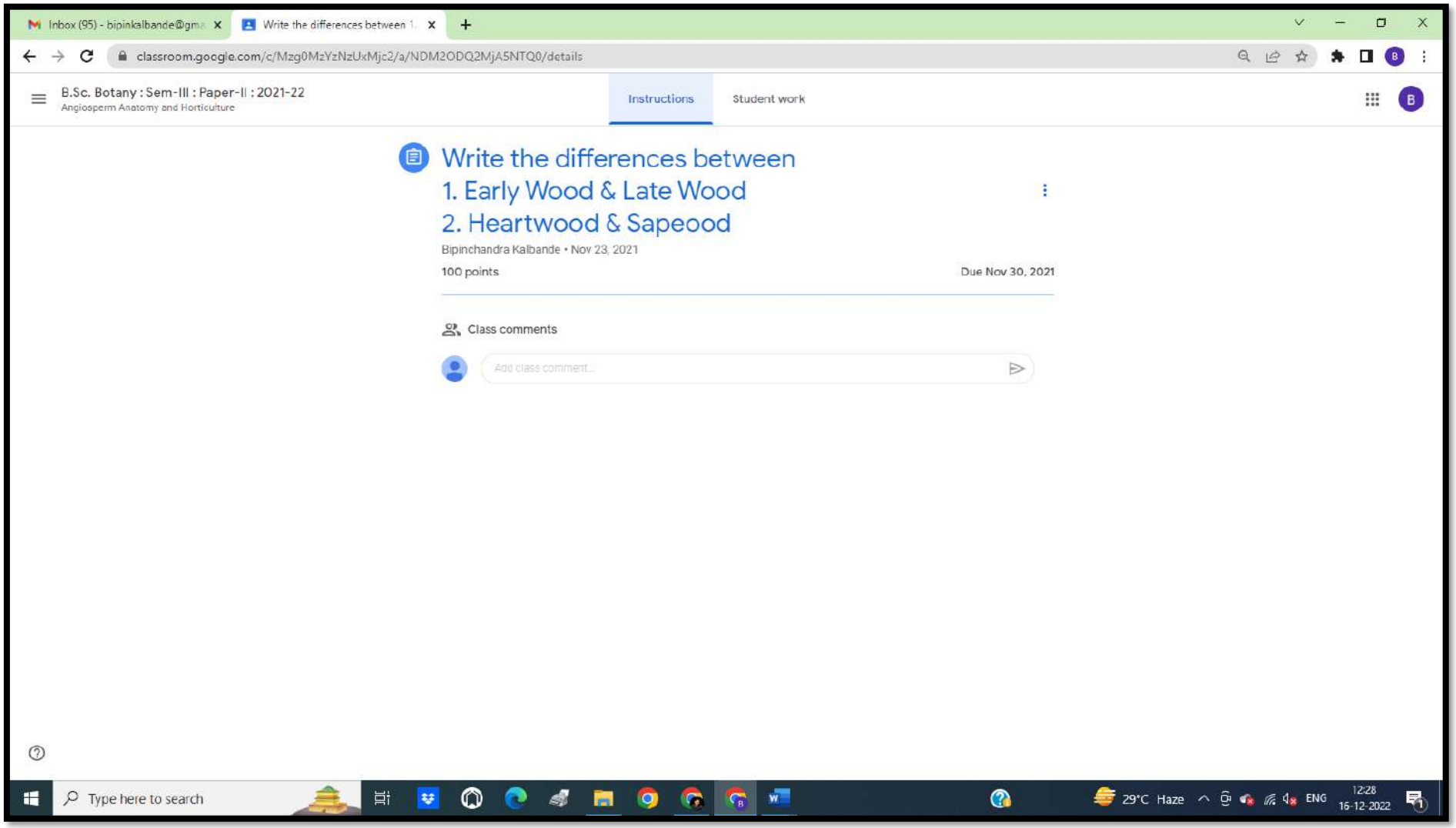
Inbox (95) - bipinkalbande@gma
Write the differences between 1.
classroom.google.com/c/Mzg0MzYzNzUxMjc2/a/NDM2ODQ2MjA5NTQ0/details
B.Sc. Botany : Sem-III : Paper-II : 2021-22
Angiosperm Anatomy and Horticulture
Instructions
Student work
Write the differences between
1. Early Wood & Late Wood
2. Heartwood & Sapeood
Bipinchandra Kalbande • Nov 23, 2021
100 points
Due Nov 30, 2021
Class comments
Add class comment...
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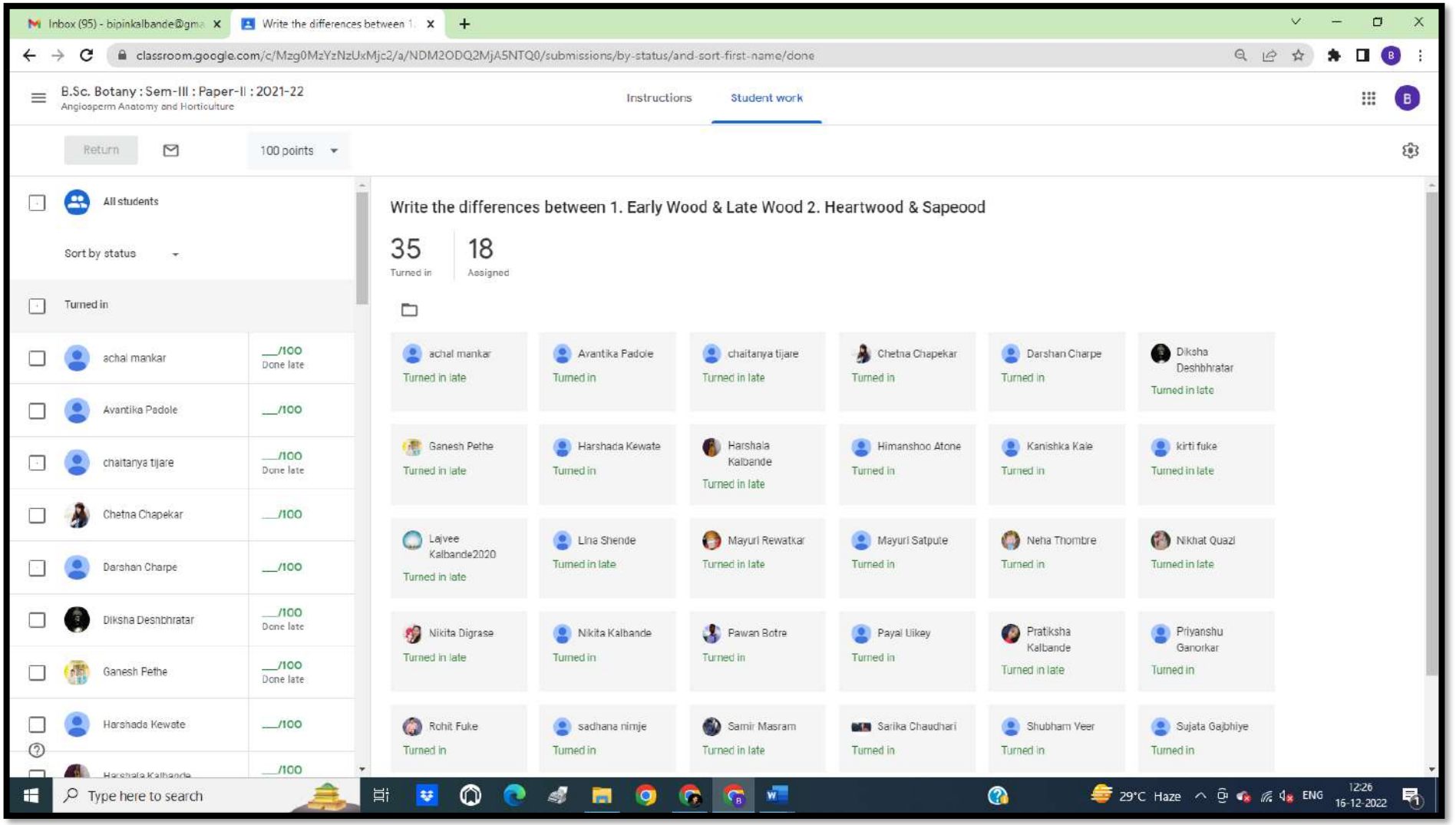

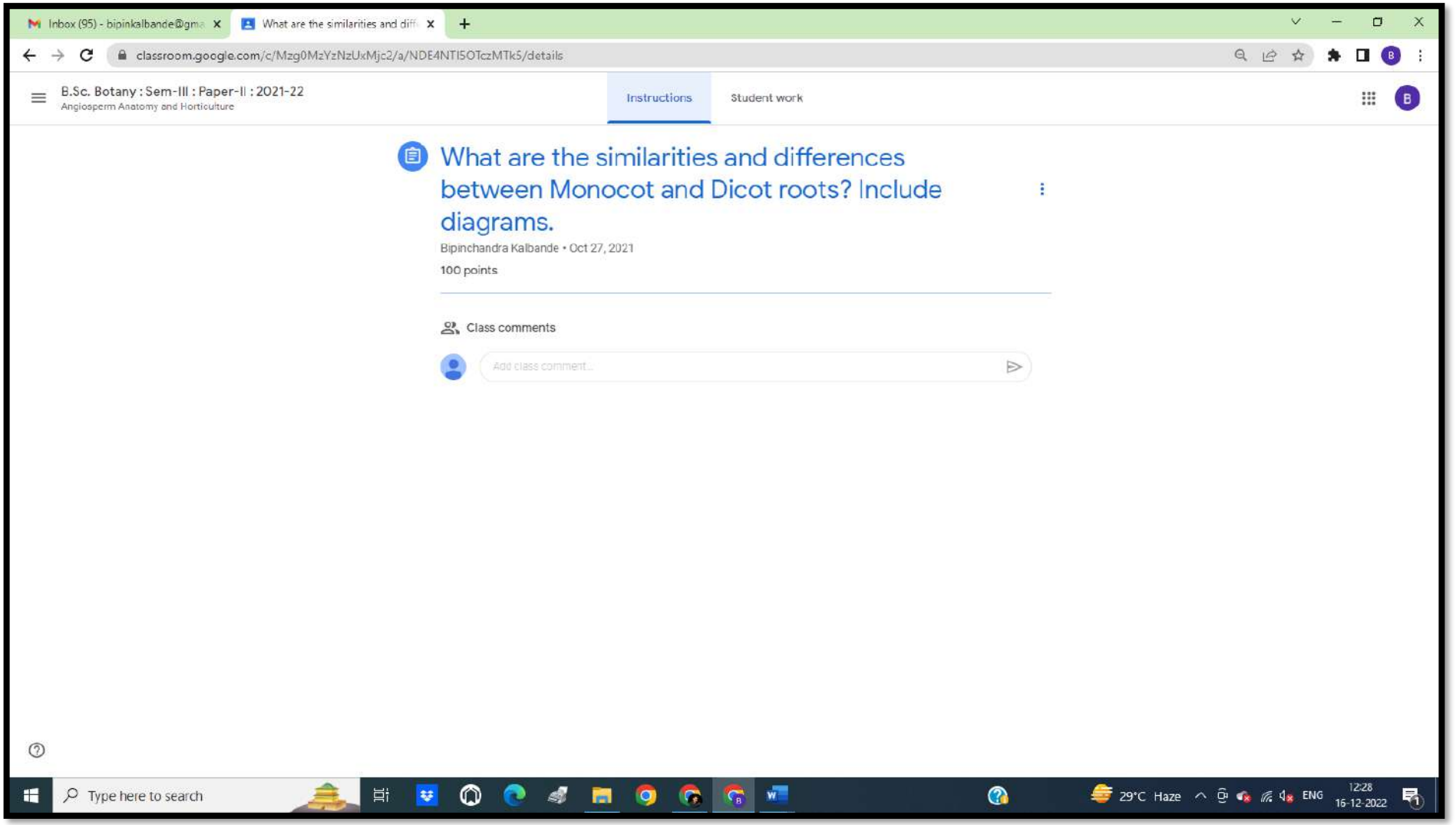
Inbox (95) - bipinkalbande@gma
What are the similarities and diff
classroom.google.com/c/Mzg0MzYzNzUxMjc2/a/NDE4NTI5OTczMTk5/details
B.Sc. Botany : Sem-III : Paper-II : 2021-22
Angiosperm Anatomy and Horticulture
Instructions
Student work
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Bipinchandra Kalbande • Oct 27, 2021
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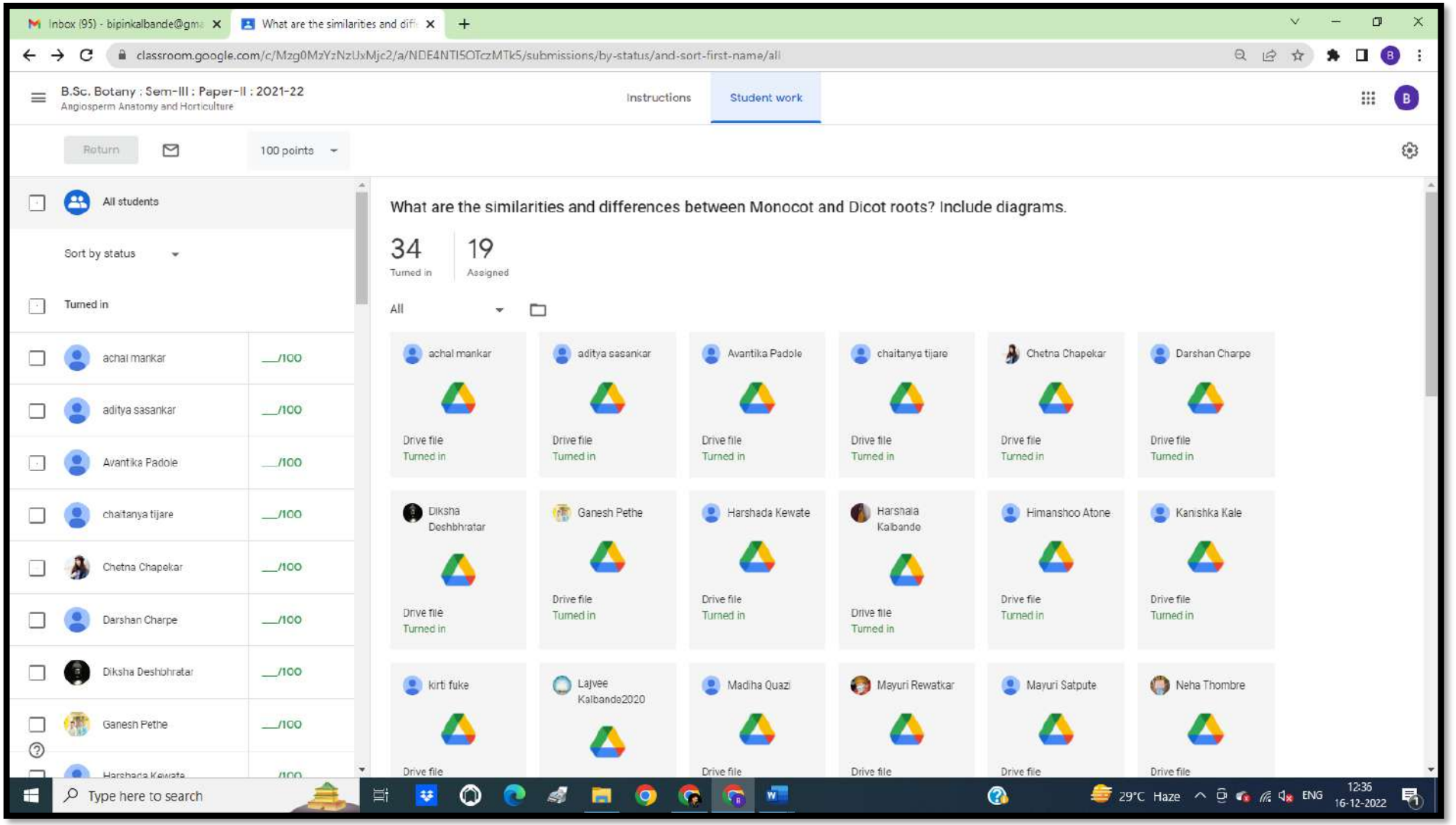
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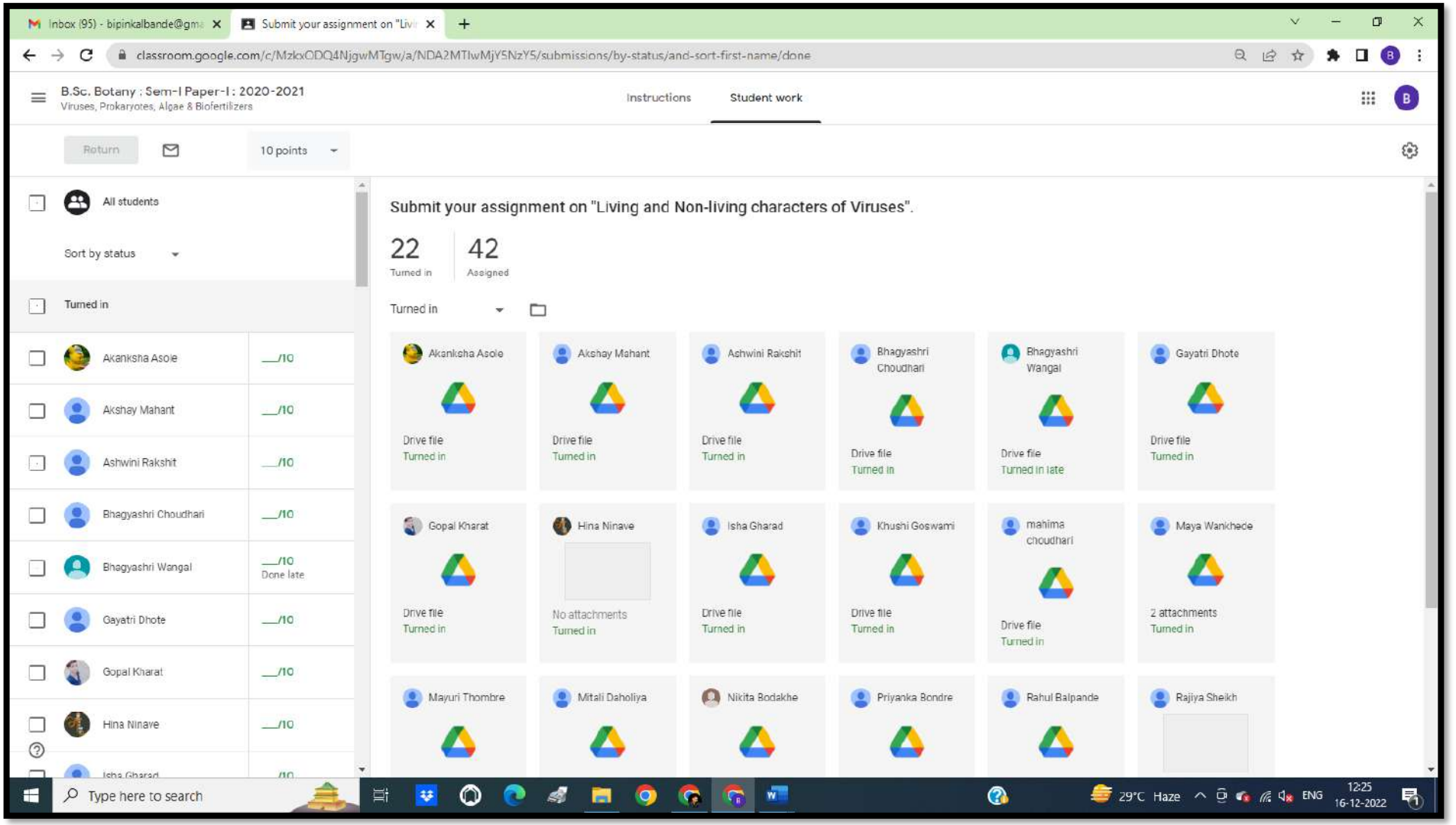

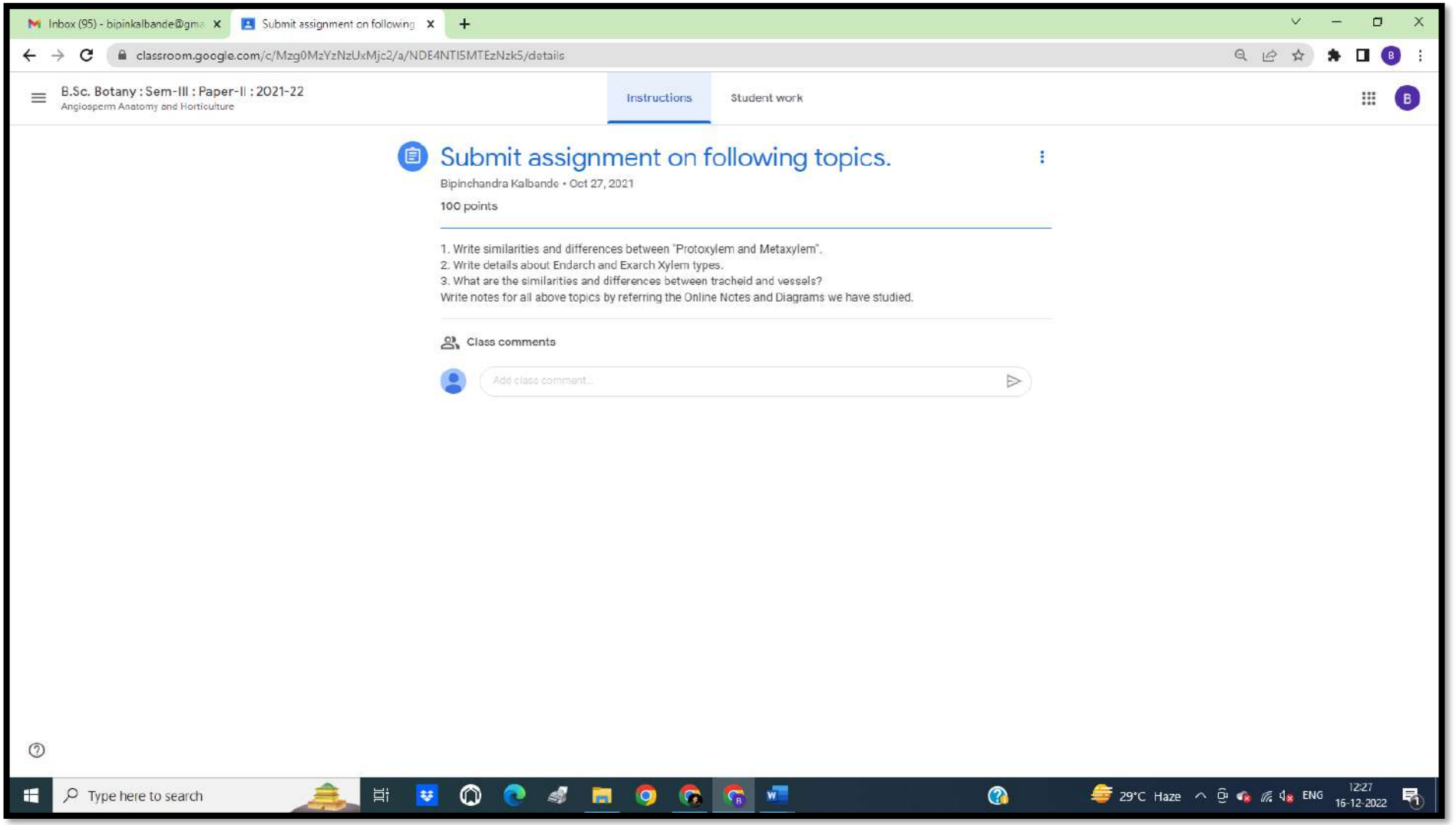
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B.Sc. Botany : Sem-III : Paper-II : 2021-22
Angiosperm Anatomy and Horticulture
Instructions
Student work
Submit assignment on following topics.
Bipinchandra Kalbande • Oct 27, 2021
100 points
1. Write similarities and differences between "Protoxylem and Metaxylem".
2. Write details about Endarch and Exarch Xylem types.
3. What are the similarities and differences between tracheid and vessels?
Write notes for all above topics by referring the Online Notes and Diagrams we have studied.
Class comments
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16-12-2022

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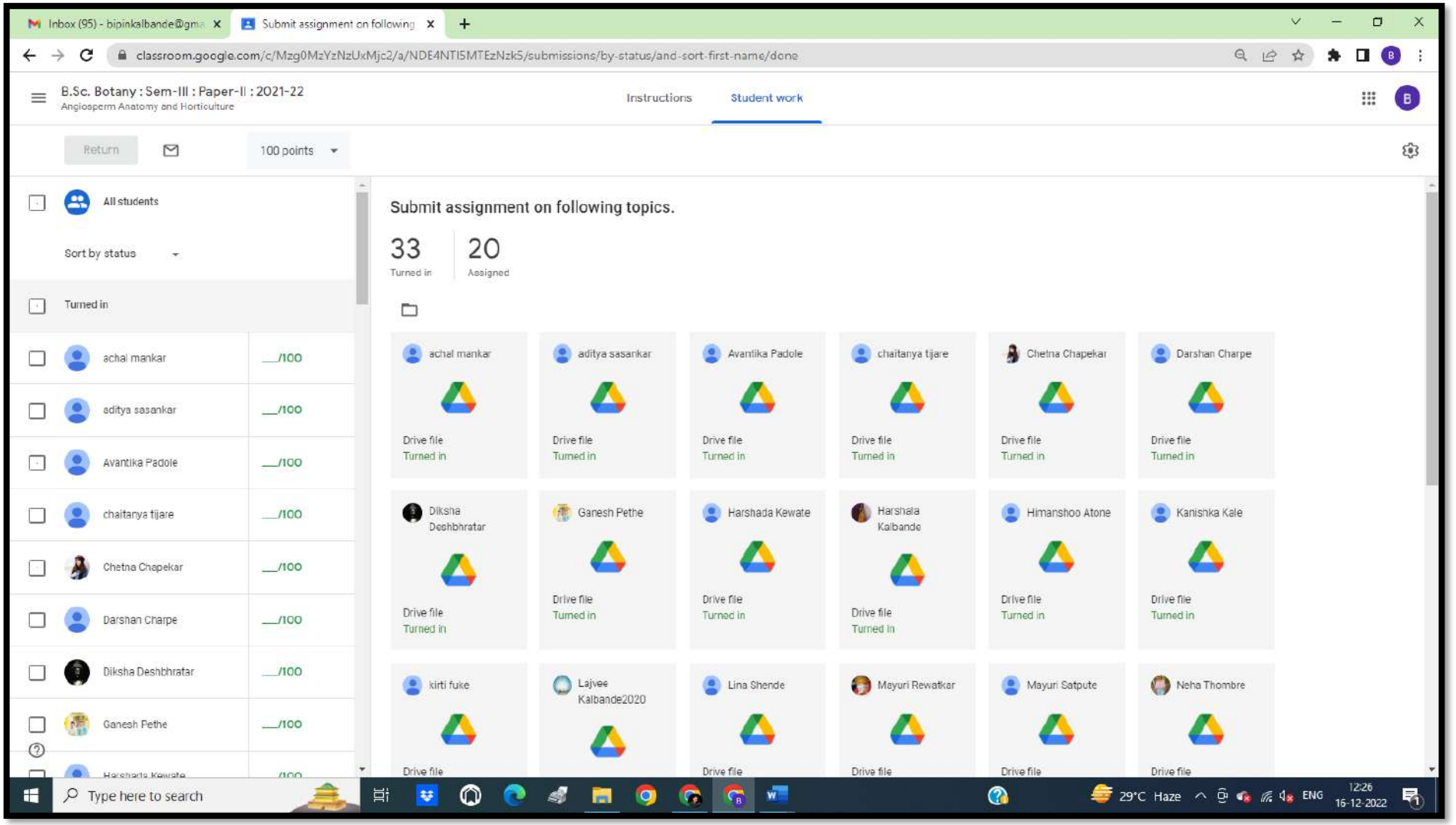

COLLEGE ASSIGNMENT COPY

Shrikrupa स्वाध्याय पुस्तिका

Name : Rupali R. Fule

Class : BSc [Cbz) Roll No. :

Subject : Botany Year : 2021-2022

Name of Institution : NMV Katol.

Page No.

Date / /

Name - Rupali R. Fule

Sub - Botany

Class - BSc [CbZ] 1 year
2 semester

Year - 2021 - 2022

Date - 04/05/2022

Day - Wednesday

BOTANY ASSIGNMENT

Dr. B. B. Kalbande
Asst. Prof. & Head
Department of Botany.
Nabira Mahavidyalaya, Katol.

Shrikrupa

* ROOT MORPHOLOGY

* Difference bet^n tap root & adventitious root

	Tap root	Adventitious root
1)	Primary root, which persists through at the life of a plant	1) Root hairs that develop from any part of the plant except the radicle or its derivatives
2)	occurs in dicot.	2) occurs in monocots
3)	Develop from radicle.	3) Develop from an organ other than radicle
4)	Persists through out the lifetime.	4) short lived.
5)	Grow deep into the soil.	5) Does not grow deep into the soil.
6)	main root of plant from which lateral branches including secondary root and tertiary root are develop.	6) A number of root develop at a single point

* Example of tap roots

1) Coriander

1) A pure white centre tap root that is covered in small hair-like rootlets which are typically are darker shade of tan.
2) It is commonly known as cilantro.
3) Root that are about 3.5 inches in length, that are about mature enough.
4) The depth of plant 1/4"- 1/2"
5) The root depth of plant is 8-18".
6) The height of plant is 12-24".
7) The coriander plant has a tap root system.
8) It has long tap root.
9) Branches of tap root rises from thick structure under the ground and this is called main root.
10) It is soft plant.
11) It is also known as dhania or cilantro.
12) The fresh leaves and dried seed are most traditionally use in cooking.

2) Beet root

1) They have deep tap root system
2) It is also called as beta vulgaris
3) The taproot of this plant is fleshy.
4) It is a biennial plant.
5) Tap root are seen in dicotyledon
6) It is edible root - deep crimson in color
7) Root attain maximum size until october but allowed to increase in sugar content until november.

3) Onion

1) It is fibrous root
2) A bundle of fibrous root are present at the base of bulb.
3) It is superficial root system that is spread multiple direction.
4) The root is typically below the surface of soil.
5) The function of these root is water and mineral absorbtion.

4) Spinach

1) Height of this plant is 4-6 inch
2) The depth of root is 1-5 inch
3) It is deep taproot.
4) It has branching root system.
5) The leaves are smooth and flat
6) The leaves of this plant is non hairy.
7) The leaves are crinkled or savay.

5) Fenugreek

1) It is tap root but not traverse deep into soil.
2) It has also many secondary root some of these are seen growing horizontally in soil.
3) They are thick and long in nature
4) Tap root are root, they grow vertically downward.
5) They are usually seen in dicot.
6) It also have fibrous root.
7) It is also known as shallowed rooted plant.

Example of Adventitious roots

i) Wheat

1) occur in monocots.
2) Does not grow deep into the soil.
3) short - lived.
4) A number of roots develop of a single plant.

ii) coconut

1) The root system of a coconut tree consist of fibrous root developing from the stems.
2) Absorption of water and minerals.
3) Does not grow deep into the soil.
4) Develops from an organ other than the radicle.

iii) Rice (oryza)

1) Rice plants form fibrous root system.
2) Consists of an ephemeral semin-

and nodal roots with numerous lateral root

3) Morphology and anatomy of the roots which is fundamentally the same as other cereal crops has been relatively well described

* Stem description of calotropis process.

Botanical Name - Calatropias procera
Scientific Name - Milkweeds
Family - Apocynacede
Order - Mentianales
Kingdom - Plantae

General characters :-
Calatropias procera is a species of flowering plant in the family Apocynaceae that is negative calatropis procera is a well known plant and has been traditionally used for diarrhoe stomatic, sinus fistula & skin disease.
Calatropias procera is a species of flowering plant.

STEM MORPHOLOGY

* Calotropic procera

1) It is species of flowering plant
2) It is medium size tree reaching 2.5 to 6 m in height.
3) It has deep taproot, 3-4 m deep
4) Secondary root system with woody lateral roots.
5) They may rapidly regenerate adventious shoots when the plant is given
6) Young stem are grayish green in color
7) It is medical plant.
8) The grey-green leaves are 15-30cm long, 25-10 cm broad.
9) stem ~~and~~ leaves contain a milky sap.
10) The leaf part is used to treat jaundice.
11) A surface covered with hairs.
12) A stem having wax coating.

LEAF MORPHOLOGY

* Simple leaf

1) Banana (Musa spp.)
Leaf of banana are large, wide, elongated and slightly rounded, averaging 2 meter in length, while 1 meter in width, and surface of leaves are waxy, flexible, glossy and range in color from lime, olive green, dark green.

2) Mango (mangifera indica)
Its leaves being reddish-purple when young. when the leave mature into a dark green and are shiny.

3) Guava (psidium guajava)
The leaves of plant are oval in shape and average 7-15 centimeter long and 3-5 cm in width. The leave grow in an opposite arrangement, which means two leaves grow at same point on either side.

4) Hibiscus (Hibiscus rosa sunthesis, shoeblack plant)

It leaf are ovate, simple and 8 to 10 cm long

5) plumeria pudica (Nagg chafa) [नाग चाफा] leave are dark green and unique fiddle shaped or spoon shaped.

6) plumeria [Champa, Lei flower] (चाफा) champa tree leaves are in ovate shape. This tree has attractive and dark green leaves.

7) coleus [North carolina] Leaves are ovate to along toothed.

8) ficus prestige plant glossly leave and light gray trunk.

9) carica papaya (papaya) The leaves are large 50-10 cm in diameter, deeply palmately lobed.

10) Arabian jasmine (mogra) मोगरा (Jasmine) leaf is arranged oppos-

in most species

11) Croton gold dust (Joseph's coat) leaves are thin, with green orange and red with the veins often yellow depending on variety

---

* Compound leaf

1) Rose (गुलाब)

Both unipinnate and imparipinnate type of leaf do Rose plant have. The no of leaf is 5 or 7.

2) Neem

The no. of leaf in neem is 10 to 20. It is pinnately type of leaf 20 to 40 cm in length.

3) Tamarind (चिंच)

It is a pinnately compound leaf. It is also belong in unipinnate leaf. Size of leaf is less than 5 cm in length.

4) coriander (धणे)

It is a decompound leaf, leaf are variable in shape, broadly lobed at base of plant and slender and feathery higher on flowering stem.

5) mimosa (लाजवंती)

It is a paripinnate leaf which leaflet in pair, terminal leaflet being absent, the no. of leaf is seen.

	Simple leaf	Compound leaf
1)	Consists of a single lamina.	1) Consists of several leaflets.
2)	The bud is usually present at the leaf axil.	2) The bud is not present at the axil of the leaflets.
3)	Stipules may be present of the base.	3) Stipules are not present at the leaflets.
4)	An undivided leaf blade.	4) A leaf which contain a serious, of leaflets

5) Lateral bud occurs at the base of the petiole	5) There are no lateral buds at the base of each leaflet
6) example :- Mango, Javua, Peepal.	6) example :- Neem, Rose Tamarind.

1) Cabbage :- It is a type of bud It is also known as biggest recorded bud

2) Mango (mangifera indica)
The stem of plant is blackish in color The size of stem is according 12 inches to 100 inches. It has deep taproot It is an umbrella shaped crown that may reach 20 - 40cm

3) Guava (psidium guajava)
It has ~~show~~ shallow root system. It ~~produce~~ low dropping branches from the base and sucker from root The ~~trunk~~ is slender, 20cm in diameter, covered with a smooth green to red brown bark, ~~that~~ peel ~~off~~ in flake young twin are Pubesent

4) Hibiscus
The stem is erect, green cylindrical and branched. leaf is simple The root is a branched root

6) Banana :-

The 'true' stem is made up of three parts the underground rhizome, the aerial stem to ~~with~~ which are attached the inflorescence.
The stem is green in color, It size overaging at least ~~five~~ centimetre in diameter.

7) Neem

Stem of ~~this~~ plant is brown in color. It is medium size term reaching 15 to 30 cm in height, with large rounded crown up to 10-20 in diameter.

8) Plumeria

The stem is white or green is color. The stem contain a milky swap. It root are ~~fairy~~ shallow compound to height of plant.

9) Citrus

Stem are mostly winged and jointed with leave and their usually a spine

on the twigs at attachment at each stem.

A) Placentation in Monocarpellary and polycarpellary or Apocarpus pistil.

* Marginal placentation examples.

Local Name :- Chana, Harbjar
family :- Lequminoceae
Botanical Name :- cicer arientinum
origin :- south-west Asia

1) The bushy 60-cm (2 foot) plant bear feathery pinnately compound leaves.
2) The small white or reddish flower often have distinctive veins in blue or purple and are usually self-pollinated. The yellow-brown or dark green beans are borne one or two to a pod.
3) There are large and small seeded varieties.

PLACENTATION

1) Mango
The fruit develop from bicarpellary, syncarpous. superior ovary with parietal placentation

2) Apple
In apple the axial type of placentation are present, the ovule are borne at or around the centre of compound ovary on axis formed from jointed septa.

3) Tomato
It is also have axile type of placentation.

4) onion
It is also have axile type of placentation.

5) Asparagus
Axile placentation.

6) Tulip
Axile placentation

7) Mustard
It is the parietal type of placentation.

8) Gram
marginal placentation

9) Arhar
marginal placentation

10) Cucurbita
Parietal placentation

11) Pea
marginal placentation

12) Citrus
axile placentation

13) Sunflower (Helianthus annus)
Basal placentation

14) Water lily
superficial placentation.

FLOWER

* Racemose

1) Mustard

The yellow flower grow in sp like cluster of 2-12 flower and individual flower are 8mm (0.3in) in diameter.

2) Gulmohar

The flower of this plant is red in color. It is large spreading and umbrella shaped tree with light, feathery leaves.

3) Wheat

The plant is ~~tall~~ annual and typically grow to height of four feet (12m) slender stalk that produce flower.

4) Snapdragon

flower are tubular, bilaterally symmetrical usually large with closed liplike mouth that excludes most insect.

5) hardy barley
six rows barely has its spike notched on opposite, with three spikelets at each notch, each containing a small individual flower or floret that develop a kernal.

6) mimosa
It is native to southern central and south america it is widely cultivate elsewhere for it curiosity

7) Daucus (carrot)
It is lacy and usually white, although purple carrot varieties have purple flower.

8) coriander
It leaves flower and seed are all edible on can be harvested from mid-summer onwards. The flower is violet in color.

9) Pyrus terminalis
flowers of this plant 2 to 5 cm in diameter are of white color that

are slightly tinged pink.

10) Cassia sophera

The flower raceme have yellow flowers with roundish petals. The color of flower is yellow or pink slightly. It is a shrub, glabrous, about 3m in height

* CUT FLOWERS.

1) High value crops (more profit)
2) Highly perishable (that will go bad quality)
3) Quality remain best at harvest Longevity / vase life / display life / shelf life
4) The period for which flower or foollage remains in presentable from without loosing its grade and quality is known as longevity vase life, disply life or shelf life
5) Shelf life term is mostly used in case of loose flowers.
6) Cut flowers deteriarate as time passes from harvesting.

* Post harvest losses in flower
1) About 20% loss due to improper handling.
2) About 10% flower are unmarketable and are not harvested.
3) Shrinkage loss during marketing.
4) over all about 50% losses occur

* Definition of out flowers.
⇒ cut flower are flower or flower bud [often with some stem and leaf]. that have been cut from the plant bearing it. It is usually removed from plant for decoration use. Typical uses are in vase displays, wreaths and garlands. many gardener harvest their own cut flower from domestic gardens, but there is a significant floral industry for cut flower in most countries cut flower can also be harvested from the wild. The plant cropped vary by climate, culture and the level of wealth locally. often the plant are raised specifically corditions.

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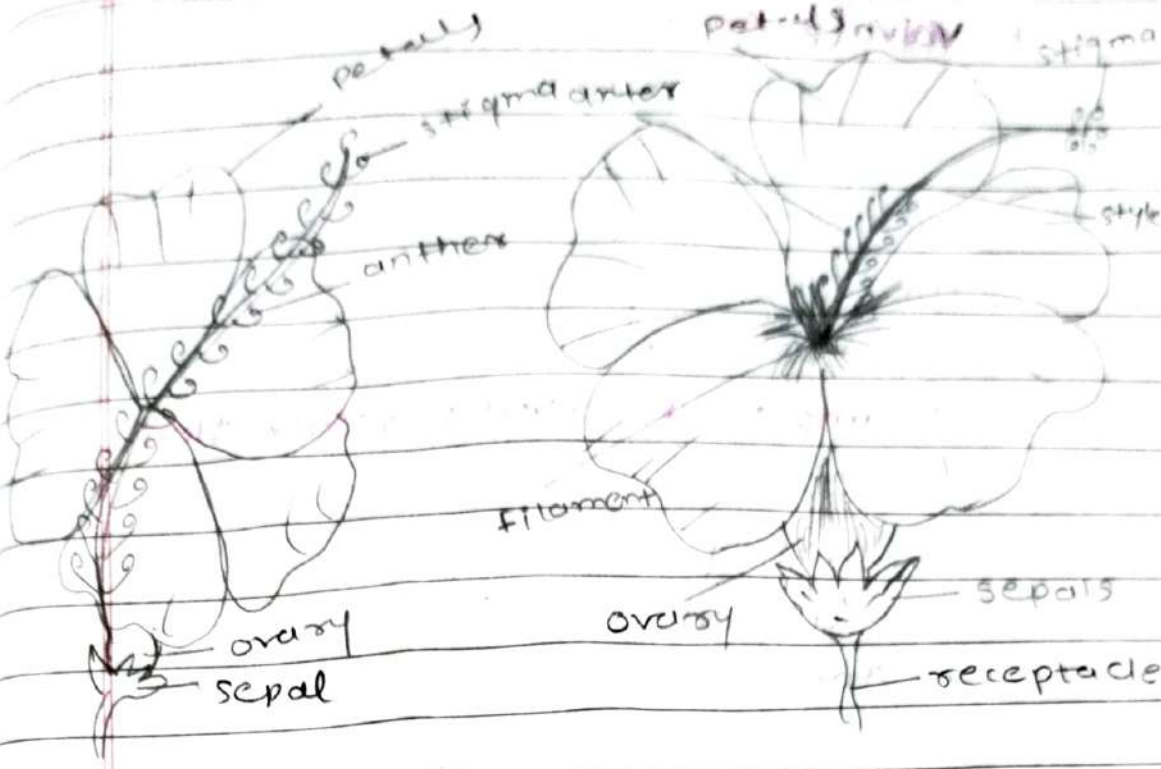
Shrikrupa

Hibiscus

* Difference between compound Hibiscus flowers and simple Hibiscus.

	Simple Hibiscus	Compound Hibiscus
1)	The five-petaled flowers are Hibiscus.	1) The five or more petals.
2)	Length is 10 cm & diameter is 4.	2) Length is 4-18 cm broad.
3)	Prominent orange tipped red anthers.	3) The flowe leaves are alternate ovate to lanceolate often with a toothed.
4)	cultivars and hybrids have flowers in a variety of colors as well as red.	4) The flower are large conspicuous trumpet shaped.
5)	White to pink, orange peach, yellow and purple some have double flowers.	5) Colours from white to pink red blue, orang peach yellow or purple.



* **Vexillary or standard**

An imbricate [descending imbricate) on which out of each the five petals the posterior one is the largest (vexillum) and covers the two lateral petals (wings) and the wings are overlap the two anterior and smallest petals.

* Example of vexillary aestivation

1) Bean flower 2) Legumes Papillonoceae

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* Valvate Aestivation

When the segments of corolla are arranged in a circle and contact with each other by their margins or when they lie very close to each other or fused but do not overlapped

Example of valvate aestivation.

1) Hibiscus
2) Calotropic
3) Mustard
4) Annona

* Twisted or contricted

When are one margin of the sepals or the petal overlaps that of the nectone and the next margin overlaps the third one giving a twised appearance in the bud.

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* Quincuncial Aestivation

out of five sepals or petals, two internal and remaining one is partly external and partly internal.

eg - 1) Guava 2) cassia occidentalis.

Quincuncial Aestivation

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Date : / /

Name - Nandini M. Nehare

Class - Bsc - V - Sem [CBZ]

Subject - Botany Assignment
papee - II

Nabira Mahavidyalaya Katol.

Topic - ① What if animal would be gained the ability of photosynthesis during evolution.

② local ecosystem.

Dr. B. B. Kalbande
05/05/2022
Dr. B. B. Kalbande
Asst. Prof. & Head
Department of Botany,
Nabira Mahavidyalaya, Katol.

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Introduction -

It would be impossible to overestimate the importance of photosynthesis in the maintence of life on earth. It is essential for the exicelence of all life on earth. photosynthesis is also responsible for production of oxygen.

This process is carried out by plant algae and some types of bacteria which captured from sunlight to produce oxygen and chemical energy started in glucose Herbivores then obtain energy by eating plant and Carnivours obtained it by eating to herbivarous.

Humen have to grow, hunt and gathered food, but many things aren't Constrained

As per rule, animals Can not do process of photosynthesis but all the Rules have some expectation. some laws of nature forces to surprised us. scientist found some animals them Can do photosynthesis.

All current situation animals can't do photosynthesis but in future during evolution periods animal may developed the characteristics like plant and they also Can do process of photosynthesis.

Photosynthesis -

photosynthesis is the process by which green plants and Certain other organisms transform light energy into chemical energy.

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During the photosynthesis in a green plants, light energy is captured used to convert water, Carbon di-oxide and minerals into oxygen and energy rich organic Compound plant use sunlight, water & Co_2 to create oxygen and energy in form of sugar.

Process -

During photosynthesis, plant take in a Carbon di-oxide (Co_2) & water (H_2O) from the air and soil. within the plant cell, the water is oxidized this transform the water into oxygen and the Carbon di-oxide into glucose. the plant then release the oxygen back into the air, and stores energy within the glucose.

Reaction -

$$6Co_2 + 6H_2O \longrightarrow C_6H_{12}O_6 + 6Co_2$$

Chlorophyll pigment that gives their green colour, and it helps plants create their own food through photosynthesis.

photosynthetic pigment -

- Chlorophyll a
- Chlorophyll b
- xanthophylls
- Carotenoids

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Stages of photosynthesis -

light - dependent Reaction / light Reaction
light - Independant Reaction / Dark Reaction

Factors Affecting photosynthesis -

- light Intensity
- The Concentration of Co_2
- Temperature
- Water
- pollution

Chlorophyll is green pigment found in the chloroplast of the plant cell and in the mesosomes of Cyanobacteria.

Both plant and animal cells are the eukaryotic, so they can contain membrane bound organells like nucleus and mitochondria. However plant cells and animal cells and animal do not look exactly the same or have all of some organelles.

plants & animals have different needs plants cell contain chloroplast so they need to perform photosynthesis, but in animals cells do not contain chloroplast they do not perform photosynthesis. mitochondria, but only plant cell have chloroplast.

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The various form in which animals and plants are interdependent in the environment depend on each other for essential survival needs such as food, shelter etc. plant produce food for both human & animals who can not build on their own as plant do interdependence of plant and animals is also shown in food chain of ecosystem.

If plants will not be able to perform photosynthesis. Without the photosynthesis, there would be not - supply of oxygen and slowly the oxygen would get used up oxidation such rust - formation further, by removing plants all of many animals that depend on plants would get very hungry and may die gradually.

Animal can't do the process of the photosynthesis. plants have an organelle called chloroplast. which contain the pigment chlorophyll. But animal cell do not have chloroplast. nor they take carbon di-oxide. so they can not perform the process of a photosynthesis. That's why animal can not make their food from carbon-di-oxide sunlight and water also hence owe to the presence of chlorophyll pigment in plant they make their own food called as Autotrophs. animals are the Heterotrophs

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Animal cells lack of chlorophyll because they are non-photosynthetic & Heterotrophic. Only plants make their own food. As a rule of nature, animals cannot make their own food they cannot do photosynthesis But all the rules have some exceptation. That's a mystery for another time nature never fails to surprised us. Sometimes, the laws can be broken scientists have found some animals that can, just like plants, survive photosynthesis, make their own foods.

* Incredible Creature that can Survive using photosynthesis.

The sea slug - [Elysia chlorotica]

Sea slug is an extraordinary beautiful slug living in the waters of the east Coast of the united state (US) and Canada. It is a distinctive features is green Coloured leaf-shaped body. The slug eats algae (Vaucheria litorea) But its not its only source of energy

It seems like this slug stole photosynthestic organells. & some gene from algae which enables them to live without eating. they can speed their days laying out in the sun and just like plants and green algae get their energy through photosynthesis.

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The pea Aphid - [Acyrthosphon pisum]

Pea Aphid is an insect living world-wide that feeds on plants. Even though they may look like any insect, unpleasant as even terrifying to some, they are truely amazing are capable of producing Carotenoids pigments found in chloroplast & chromoplasts giving them orange-reddish colour & helping chlorophyll with photosynthesis. It also seems like Carotenoid serve not only as a beauty Compounds but then can also be used to convert sunlights into energy. However, these correlation are not yet clear & well researched.

The spotted salamander - [Ambystoma maculatum]

Is just like a sea slug. It lives in symbiotic relation with the algae. They were found in embryoes of the animal the salamander's embryo found in clear coloured eggs laid by female on the underwater plants, close to the surface, so that the light can reach them.

Embryo get much-needed energy for growth and development from sunlights while providing an extra source of energy this in turn increase chances of survival spotted salamander are the highest developed animal species. and the only one among

the all vertebrae, that can directly benifit from photosynthesis.

In evolution stage, animals evolve like plant. How they evolved are not supposed.

The complex reaction of photosynthesis can be summarized by the chemical equation shown in fig.

photosynthesis equation

Carbon dioxide + water $\xrightarrow{\text{sunlight}}$ sugar + oxygen

$6CO_2$ $6H_2O$ $C_6H_{12}O_6$ $6O_2$

Evolution of photosynthetic pathways.

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CONCLUSION -

The process of photosynthesis originated early in the earth's history and has evolved to its current mechanistic diversity and phylogenetic distribution by a complex non linear process. Current evidence suggests that the earliest photosynthetic organisms were anoxygenic, that all photosynthetic RC_s have been derived from a single source, and that antenna system and Carbon fixation pathways have been invented multiple times.

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Local ecosystem -

An ecosystem is comprised of all of the non-living elements and living species in a specific local environments.

Ecology -

Ecology is the study of organisms and how they interact with the environment around them.

Ecology is a branch of science, including human science, population, community ecosystem and biosphere.

An ecologists goal is to improve their understanding of life process, adaptation and habitats interaction and biodiversity of organisms.

eg - studying a food chain in wetlands area.

Ecosystem -

An ecosystem comprises all the living things and non-livings environments of a particulars defined area. The size of a ecosystem can vary enormously.

It includes living (plants, animal and organisms & non-living (earth, sun, weather) etc.

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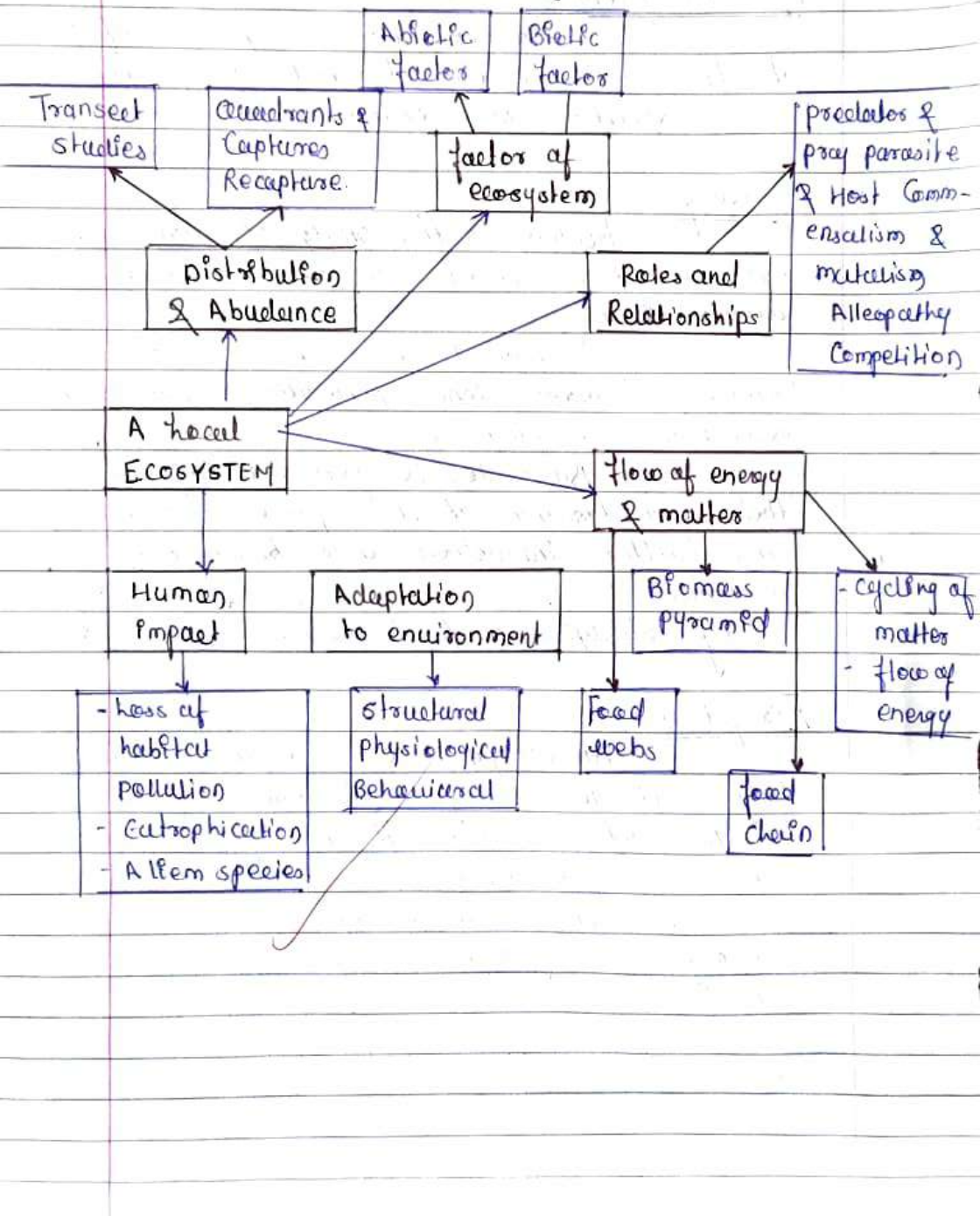
Mind Map of a local ecosystem -



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Distance & Abudance of organisms -

Distribution ecology refer to where within an ecosystem the individual of a species are located.

Abudance refer to how many individual are in population of a species in ecosystem.

Transet study -

A transet study is like a cross-section through the ecosystem.

The idea is to define a line that cuts right across the area being studied. This could be a string line or a series of marker sticks hammered into the soil.

Often plant are the main subject of a transect study, because many animals move around so far and so quickly that they can not studied.

Quadrat studies -

A quadrant is a simple wire, wooden or plastic frame that is dropped onto the ground of random throughout the study area.

The estimated population is found by a 'scaling up' from the area of the quadrat to the total area being studied quadrat methods is an estimated only.

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Factor of an ecosystem -

Two factors of ecosystem biotic & abiotic

Abiotic - Factors refer to non-living physical and chemical elements in the ecosystem. Abiotic resources are usually obtained from the lithosphere, atmosphere & Hydrosphere.
eg - water, air, soil, sunlight, and minerals.

Biotic - Factors are living or once-living organisms in the ecosystem those are obtained from the biosphere and are capable of reproduction.
eg - animals, birds, plant, fungi, and other similar organisms.

An aquatic ecosystem is water based environment plant and animals intract with biotic & abiotic factors of aquatic ecosystem. A marine ecosystem and freshwater ecoystem.

Page No.
Date : / /

Comparison Chart -

differences - similarities -

	Abiotic	Biotic
Introduction -	In ecology and a biology, abiotic components are non-living chemical & physical factors of the environment which effects ecosystem.	Biotic describe a living components of a eco-system for example of organisms a such as a plant and the animals.
Examples -	water, light, wind, soil Humicity, minerals and gases.	All living things - Autotrophs & heterotrophs plant, animal fungi, Bacteria.
factors -	Affect the ability of organism to survive, reproduce, help determine types & number of organism able to exist in environment. limiting factors restrict growth.	living things that directly or indirectly affect organism in environment. organisms interaction, waste, parasitism, disease and predation.
Affects -	Individual of a species population, Community ecosystem, biome and biosphere.	Individual of a species population Community ecosystem, biome, and Biosphere

Page No.
Date : / /

Adaptation -

Their body is streamlined & hence they can swim easily. All animals are the physiologically adapted to their particular environments and therefore pond organisms developed special characters to enable them to move, obtain food. adaptation can be identify by observation of behaviors, moment and lifecycle.

Changes -

Increase in water temperatures as a result to climate change will fundamental ecological process and the geographic distribution.

Temperatures -

Temperature is also important because of its influence on water. warm water hold less dissolved oxygen than cool water, and may not contains than cool water some compounds are also more toxic to aquatic life at a higher temperatures.

Role and Relationship Bet'n organisms.

Ecology is about relationships of organism like predator - prey.

Although animals eat living plant, this process is not reffers as predation

A predator is an organism that eats another organism.

The prey is the organism which the predators eats.

predator		prey
lion	→	Zebra
Bear	→	fish
fox	→	Rabbit

Both predator & prey have impact on each other's distribution & abudence.

Flow of energy -

Energy flow is the flow of energy through living things within an ecosystem. and organised into producer to Consumer and those producer to Consumer further organized a food chain.

Food chain -

A food chain is a linear network of linkes in a food web starting from producer organism and ending at an apex predator species, detercivores or decomposer

Each level of a food chain represent a different trophic level.

eg - Grass (producer) → Grasshoper (primary Consumer) → Bird (secondary)

Bird → Snake (Tertiary Consumer)

Snake → Eagle (Apex predator)

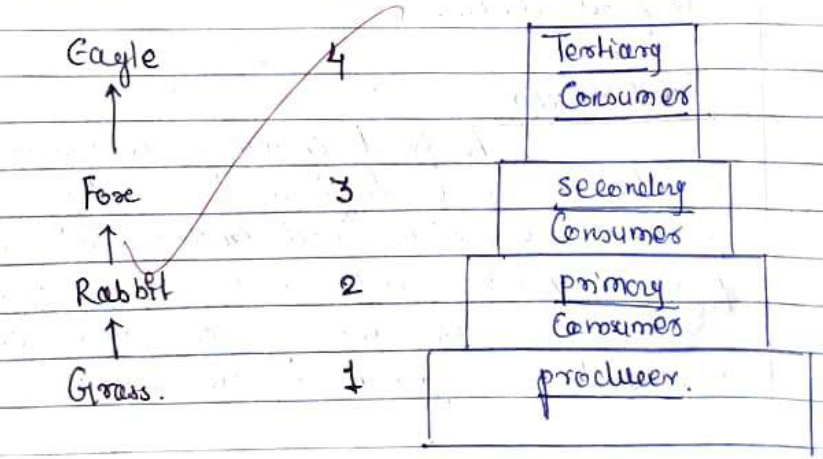
Eagle → Decomposer

Biomass pyramid.

A Biomass pyramid is the representation of total living biomass or organic matter present at different trophic level in an ecosystem.

Biomass is calculated as the mass of living organism present at each tropic level. The pyramid of biogas show the flow of energy from producer to the Consumers.

food chain	Traphic level	pyramid of Biomass



Page No.
Date : / /

Cycling of matter -

The movements of matter through the living and non-living part of an ecosystem is a continuous cycle.

Cycle of matter are called Biochemical cycles.

They are as follow -

- water cycle
- Carbon cycle
- Nitrogen cycle
- phosphorus cycle.

Intraction

Commensalism -

Commensalism, a relationship between individual of two species in which one species obtain food or other benifits from the other without either harming or benefiting the latter.

eg - Birds nesting in a tree - the birds gain a safe and secure nest site while the tree is unharmed.

Mutualism -

Mutualism, is an interaction between individual of different species benefit from relationship.

eg - Herbivores and bacteria - Animals with a diet rich in Cellulose on bacteria in

In their digestive tract to break down. Both species obtain food from the relationship.

Parasitism -

parasitism occure when one organism feeds on another without killing it. or often necessary harming the host greatly.

eg -

Humans & tapeworm - the tapeworm absorbs food inside in the host.

Allelopathy -

Alleopathy occure between plant and fungi one organism directly inhibits the growth and development of other by a releasing toxin.

eg -

fungus penicillium is a allelopathic to some bacteria.

Humans Impact on Ecosystem -

As a Human society has grown the global we have a negative impact on many ecosystem.

Pollutions -

Many human activities produce chemical byproduct that can harm the environments.

Page No.
Date : / /

Acids rain has a highly destructive effect on wetland, lakes and forest in a addition to the cultural damage it can cause to building.

pesticides and industrial poisons (heavy metals) can build up in communities and reach toxic level.

Defarestation :

The most common pressurne causing deforestation and serve forest degradation are agriculture, unsustable forest managments mining, infrastructure project and increased fire incidence.

forest cover about 30 percentage of the total planet land mass, but humans are cutting down, clearing these essential habitats on a massive scales.

Eutrophication :

Eutrophication occure when rivers and strems are over-fertilized by human sewarage and agricultured run-off.

The gradual increase in the concentration of phosphorus, nitrogen and other plants nutrients in an aging aqueatic ecosystem such as lake. excessive riches of the nutrients. This can be problem in marine habitats as it cause algae blooms.

The results is that algae living in the waterways are stimulated to grow often to so point where they choke waterways when waterways resulting in widespread fish kills.

Loss of habitat -

Habitat destruction is the process by which a natural habitat becomes incapable of supporting its native species. The organism that previously inhabited the sites are displaced or dead.

Habitat destruction is the leading cause of biodiversity loss. It is main issue for 85 percentage of all threatened animal species.

Introduction of Alien species -

A number of foreign, alien species have been introduced to Australia that have had a marked impact on local ecosystem and organisms.

eg - Cattle, pigs, Cats, Camel and Cane toads.

Tanmay Talbande
05/05/2022

VIJAYANT
PAGE NO.
DATE

Name :- Yogita Gajendrarao Bhugare.

Class :- BSc V th sem {CBZ}

Subject :- Botany

Bipin Kalbande
05/05/2022
Dr. B. B. Kalbande
Asst. Prof. & Head
Department of Botany,
Nabira Mahavidyalaya, Katol.

Topic :-

"What if animals Would have gained the ability of photosynthesis evolution ?"

* Photosynthesis :-

Photosynthesis is the process by which green plants and certain other organisms transform light energy into chemical energy.

During the photosynthesis in green plants light energy is captured used to convert water carbon dioxide and minerals into oxygen and energy-rich organic compounds plant use sunlight water & CO_2 to create oxygen and energy in form of sugar.

* Process :-

During photosynthesis plant take in carbon dioxide (CO_2) & water (H_2O) from the air and soil within the plant cell the water is oxidized This transform the water into oxygen and the Carbon dioxide into glucose The plant the plant then release the oxygen back into the air and stores energy within the glucose.

* Reaction :-

$$6CO_2 + 6H_2O \longrightarrow C_6H_{12}O_6 + 6CO_2$$

* Introduction :-

It would be impossible to overstimate the importance of photosynthesis in the maintenance of life on Earth It is essential for the existence of all life on earth photosynthesis is also responsible for production of oxygen.

This process is carried by plant algae and some types of bacteria which capture from sunlight to produce oxygen & chemical energy ~~stored~~ stored in glucose. Herbivores then obtain energy by eating plants & comivores obtain it by eating to herbivores.

Human have to gromes hunt & gathered food but many things arenit constrained.

As per rule Animals can not do process of photosynthesis but all the rules have some exception some laws are of nature never fails to surprise us scintists found some animals that do photosynthesis.

At current Sitiution animal can't do photosynthesis but in future during evolution period animals may develop characteristic like plant and they also can do process of photosynthesis.

Chlorophyll pigment that given true green colour and it helps plants to create true own food through photosynthesis.

Photosynthetic Pigments :-

- Chlorophyll a
- chlorophyll b
- Xanthophylls
- Carotenoids

Stages of photosynthesis :-

light - dependent Reaction / light Reaction
light - Independent Reaction / Dark Reaction

Factors Affecting photosynthesis

- light Intensity
- The concentration of CO_2
- Temperature
- water
- pollution.

Chlorophyll is green pigment found in the chloroplast of the plant cell & in the mesosomes of cynobateria.

Both plant and animal cells are eukaryotic so they can contain membrane bound organells like the nucleus and mitochondria However plant cells and animals cells and animal cells do not look exactly the some or have all of some organells.

Plant & Animals have diffent need plant cell contain chloroplast so they need to perform photosynthesis but in animals cells do not contain chloroplast they do not perform photosynthesis Mitochondria but only plant cell have Mitochondria.

The various forms in which animals and plants are interdependend in the enviroment depend on each other For essential survival needs such as food shelter etc. plant produce food For both Animals cells lack of chlorophyll because they are non-photosynthetic & heterotopic.

Only plants make their own food as a rule of nature, animals connot make their own food they connot to photosynthesis. But all the rules have another time Nature never fails to surprise us, sometimes "the laws" can be booken. Scintists have found some animals that can just like plants survive on photosynthesis make their own

Food

Incredible Creatures That can Survive Using photosynthesis :-

The sea slug :- (Elysia chlorotica)

Sea slug is an extraordinarily beautiful slug living in the waters of the east cost of the United State (US) and canada. It is distinctive feature is green coloured leaf - shaped body. The slug eats algae (Vaucheria litorea) but its not its only source of energy.

It seems like this slug stole photosynthetic organells (Chloroplast) & some gene from algae which enable them to live without eating. They can spend there days laying out in the sun and just like plants and green algae get there energy through photosythesis. The symbiosis that enable algae chloroplast to work for slug is called kleptoplasty.

The Pea Aphid :- {Acyrthosiphon pisum}

Pea Aphid is an insect living worldwide that feeds on plants. Even though they may look like any insects, unpleasant or even terrifying to some they are truely amazing are capable of producing carotenoid pigments found in chloroplast & ~~tobate~~ chlorophyll with photosynthesis. It also seems like carotenoids serve not only as a beauty

Compound but they can also be used to convert sunlight into energy. However these association are not yet clear & well researched.

The spotted Salamander :-
{ Ambystoma Maculatum }

Is just like a sea slug it lives in symbiotic relation with the algae. They were found in embryos of the animals. The salamanders embryo found in color coloured eggs laid by the females on the underwater plants close to the surface so that the light can reach them.

Embryos get much-needed energy for growth and development from sunlight while providing and extra source of energy this in turn increase chances of survival spotted salamander are the highest develop animal species and the only one among the all vertebrate that can directly benefit from photosynthesis.

In evolution stage animal evolve like plant. How they evolved are not supposed.

If the animals gained the ability of photosynthesis during evolution then -

Bipin Albanda
05/03/2022

Nabira Mahavidyalaya Katol

Department of Mathematics

Report on unit tests conducted for B.Sc.

Session: 2021-22

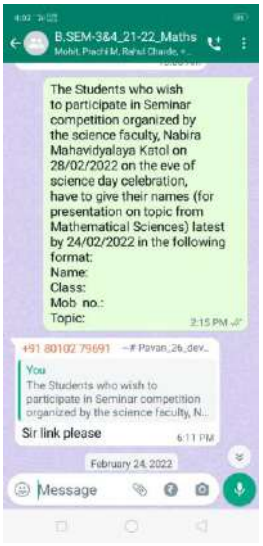
The department of Mathematics, Nabira Mahavidyalaya Katol has conducted the unit test Examination of B.Sc. (all Semesters) Students in the Session 2021-22 as per the Schedule given below. The photos of google forms links provided to the students and the conversation about test examinations made with the students on their respective whatsapp groups are attached.

S.N	SEMESTER	PAPER/UNIT TEST	DATE	Name of Examiner
1	Sem-5	Maths -1/unit-1	10-12-21	N.T.Katre
2	Sem-3	Maths -2/unit-1	11-12-21	N.T.Katre
3	Sem-5	Maths -1/unit-3	11-12-21	N.T.Katre
4	Sem-5	Maths -2/unit-4	12-12-21	N.T.Katre
5	Sem-5	Maths -2/unit-3	18-12-21	N.T.Katre
6	Sem-3	Maths -1/unit-1	31-12-21	M.P.Pawar
7	Sem-3	Maths -2/unit-2	04-01-22	N.T.Katre
8	Sem-3	Maths -1/unit-2	05-01-22	M.P.Pawar
9	Sem-3	Maths -2/unit-3	06-01-22	N.T.Katre
10	Sem-1	Maths -1/unit-2	10-01-22	N.T.Katre
11	Sem-1	Maths -1/unit-3	01-02-22	N.T.Katre
12	Sem-1	Maths -2/unit-1	03-02-22	M.P.Pawar
13	Sem-1	Maths -2/unit-2	07-02-22	M.P.Pawar
14	Sem-6	Maths -1/unit-1	14-03-22	N.T.Katre
15	Sem-6	Maths -2/unit-1(open book exam)	26-04-22	N.T.Katre
16	Sem-6	Maths -1/unit-2	30-04-22	M.P.Pawar
17	Sem-6	Maths -2/unit-1	18-05-22	N.T.Katre
18	Sem-6	Maths -2/unit-2	18-05-22	N.T.Katre
19	Sem-6	Maths -2/unit-1	18-05-22	N.T.Katre
20	Sem-4	Maths -1/unit-1	15-06-22	M.P.Pawar
21	Sem-4	Maths -2/unit-2	15-06-22	N.T.Katre
22	Sem-2	Maths -1/unit-1	15-06-22	N.T.Katre
23	Sem-2	Maths -2/unit-2	15-06-22	N.T.Katre
24	Sem-2	Maths -1/unit-2	05-04-22	N.T.Katre
25	Sem-2	Maths -1/unit-1	23-04-22	N.T.Katre
26	Sem-2	Maths -2/unit-1	17-05-22	N.T.Katre
27	Sem-4	Maths -2/unit-1	22-04-22	N.T.Katre
28	Sem-4	Maths -2/unit-2	18-05-22	N.T.Katre

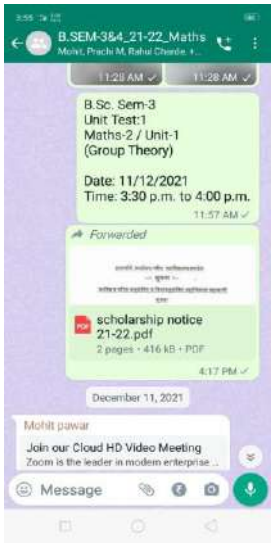
N.T.Katre

HOD, Maths


B.SEM-3&4_21-22_Maths
Mohit, Prachi M, Rahul Chande, +...
MATHEMATICS B.Sc.Sem-3_M-2_UT-1_Unit-1
Duration:20 min Max Marks...
docs.google.com
https://forms.gle/a2rv5Tcfvcc6akyS8
B.Sc.Sem-3_M-2_UT-1_Unit-1
3:24 PM
You have to submit it by 4:00 p.m. Link will be closed after 4:00 p.m.
3:28 PM
December 13, 2021
Mohit pawar
Join our Cloud HD Video Meeting
Zoom is the leader in modern enterprise ...
us04web.zoom.us
Mohit Pawar is inviting you to a scheduled Zoom meeting.
Topic: Mohit Pawar's Zoom Meeting
Message


B.SEM-3&4_21-22_Maths
Mohit, Prachi M, Rahul Chande, +...
The Students who wish to participate in Seminar competition organized by the science faculty, Nabira Mahavidyalaya Katol on 28/02/2022 on the eve of science day celebration, have to give their names (for presentation on topic from Mathematical Sciences) latest by 24/02/2022 in the following format:
Name:
Class:
Mob no.:
Topic:
2:15 PM
+91 80102 79691 ~F Pavan_26_dev..
You
The Students who wish to participate in Seminar competition organized by the science faculty, N...
Sir link please
6:11 PM
February 24, 2022
Message

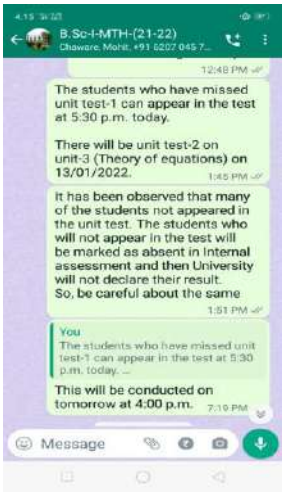

B.SEM-5&6_21-22_Maths
Dhotarkar, Mohit, Ritikesh, Shubh...
Reminder
B.Sc. Sem-5
Unit Test:1
Maths-1 / Unit-1
(Fourier Series)
Date: 10/12/2021
Time: 4:00 p.m. to 4:30 p.m.
11:59 AM
+91 90499 78801 ~~Sakshi
Sir link
4:02 PM
+91 93077 24362 ~harshali bawane
Sir link
4:03 PM
+91 96992 35151
Sir link
4:03 PM
Yes, sending.
4:03 PM
Link for Maths-1/Unit Test-1
https://forms.gle/pG9DVJACZ6kqfuf5A
4:10 PM
You have to submit it by 4:35
Message

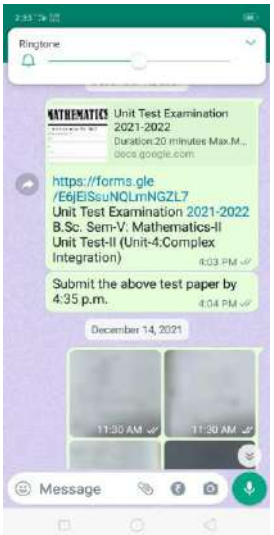

B.SEM-3&4_21-22_Maths
Mohit, Prachi M, Rahul Chande, +...
11:28 AM
11:28 AM
B.Sc. Sem-3
Unit Test:1
Maths-2 / Unit-1
(Group Theory)
Date: 11/12/2021
Time: 3:30 p.m. to 4:00 p.m.
11:57 AM
Forwarded
scholarship notice 21-22.pdf
2 pages · 416 kB · PDF
4:17 PM
December 11, 2021
Mohit pawar
Join our Cloud HD Video Meeting
Zoom is the leader in modern enterprise ...
Message

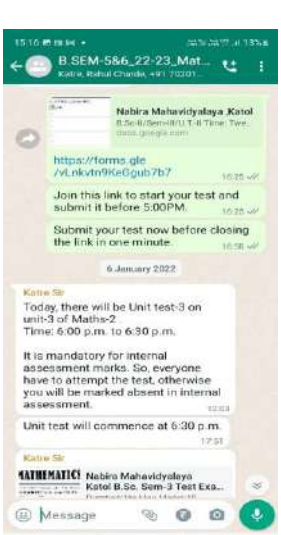

B.SEM-5&6_21-22_Maths
Dhotarkar, Mohit, Ritikesh, Shubh...
Nabira Mahavidyalaya, Katol.
docs.google.com
https://forms.gle/pWr1HWocrTMNXqccA
Unit Test-1/ Maths-2/ Unit-3
Duration: 20 minutes
Time: 4:30 to 4:50 p.m.
4:27 PM
+91 83291 85124 ~Kavita Kamdi
This message was deleted
4:33 PM
+91 95792 17364 ~YASH_YEOLE
This message was deleted
4:59 PM
November 19, 2021
+91 74481 87098 left
November 20, 2021
N.T. Katre is inviting you to a
Message

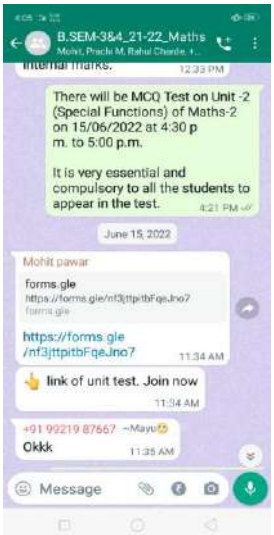

B.SEM-5&6_21-22_Maths
Dhotarkar, Mohit, Ritikesh, Shubh...
Forwarded
MATHEMATICS Unit Test-1/Maths-1/ Unit-1
Duration:20 min Max Marks...
docs.google.com
https://forms.gle/vYg8hJ4HWZYmB4xR8
Unit Test-1/Maths-1/Unit-1
B.Sc. Sem-V (2021-2022)
4:14 PM
You can go through any of the above two links.
4:15 PM
Forwarded
scholarship notice 21-22.pdf
2 pages · 416 kB · PDF
4:17 PM
December 11, 2021
Message

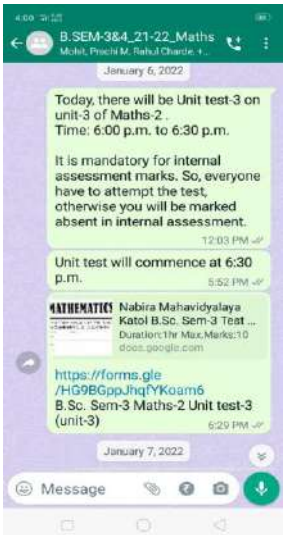

B.SEM-5&6_21-22_Mat...
Katre, R, +91 70204 08246, +91 7...
28 April 2022
Unit Test-1 based on vector space is scheduled on 30/04/22 in offline mode at 8:00 AM . This UT is compulsory for all students.
29 April 2022
+91 84593 57083 ~Working
Forwarded
lalit.gawande_maths.docx
1 May 2022
+91 96992 35151
This message was deleted
5 May 2022
Katre Sir
Forwarded
Message


B.Sc-I-MTH-(21-22)
Chawre, Mohit, +91 6207 045 7...
The students who have missed unit test-1 can appear in the test at 5:30 p.m. today.
There will be unit test-2 on unit-3 (Theory of equations) on 13/01/2022.
1:45 PM
It has been observed that many of the students not appeared in the unit test. The students who will not appear in the test will be marked as absent in internal assessment and then University will not declare their result.
So, be careful about the same
1:51 PM
You
The students who have missed unit test-1 can appear in the test at 5:30 p.m. today. ...
This will be conducted on tomorrow at 4:00 p.m.
7:19 PM
Message


Ringtone
MATHEMATICS Unit Test Examination 2021-2022
Duration:20 minutes Max.M...
docs.google.com
https://forms.gle/E6jEiSSuNQLmNGZL7
Unit Test Examination 2021-2022
B.Sc. Sem-V: Mathematics-II
Unit Test-II (Unit-4:Complex Integration)
4:03 PM
Submit the above test paper by 4:35 p.m.
4:04 PM
December 14, 2021
11:30 AM
11:30 AM
Message

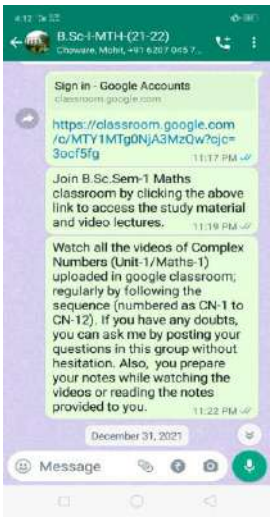

B.SEM-5&6_22-23_Mat...
Katre, Rahul Chande, +91 70201...
Nabira Mahavidyalaya ,Katol
B.Sc-II(Sem-III)(UT-I) Time: Two...
docs.google.com
https://forms.gle/vLnkvtn9KeGgub7b7
Join this link to start your test and submit it before 5:00PM.
Submit your test now before closing the link in one minute.
6 January 2022
Katre Sir
Today, there will be Unit test-3 on unit-3 of Maths-2 .
Time: 6:00 p.m. to 6:30 p.m.
It is mandatory for internal assessment marks. So, everyone have to attempt the test, otherwise you will be marked absent in internal assessment.
Unit test will commence at 6:30 p.m.
Katre Sir
MATHEMATICS Nabira Mahavidyalaya Katol B.Sc. Sem-3 Test Exa...
Message

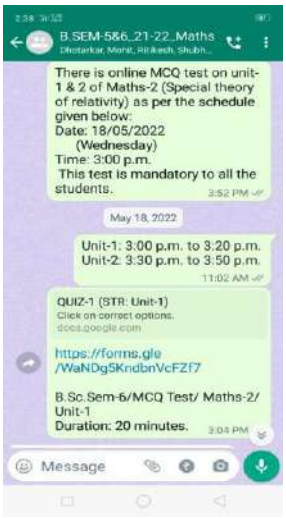

B.SEM-3&4_21-22_Maths
Mohit, Prachi M, Rahul Chande, +...
internal marks.
12:33 PM
There will be MCQ Test on Unit -2 (Special Functions) of Maths-2 on 15/06/2022 at 4:30 p m. to 5:00 p.m.
It is very essential and compulsory to all the students to appear in the test.
4:21 PM
June 15, 2022
Mohit pawar
forms.gle
https://forms.gle/nf3jttpitbFqeJno7
forms.gle
https://forms.gle/nf3jttpitbFqeJno7
11:34 AM
link of unit test. Join now
11:34 AM
+91 99219 87667 ~Mayuri
Okkk
11:35 AM
Message


B.SEM-3&4_21-22_Maths
Mohit, Prachi M, Rahul Chande, +...
January 6, 2022
Today, there will be Unit test-3 on unit-3 of Maths-2 .
Time: 6:00 p.m. to 6:30 p.m.
It is mandatory for internal assessment marks. So, everyone have to attempt the test, otherwise you will be marked absent in internal assessment.
12:03 PM
Unit test will commence at 6:30 p.m.
5:52 PM
MATHEMATICS Nabira Mahavidyalaya Katol B.Sc. Sem-3 Test ...
Duration:1hr Max.Marks:10
docs.google.com
https://forms.gle/HG9BGppJhqfYKoam6
B.Sc. Sem-3 Maths-2 Unit test-3 (unit-3)
6:29 PM
January 7, 2022
Message

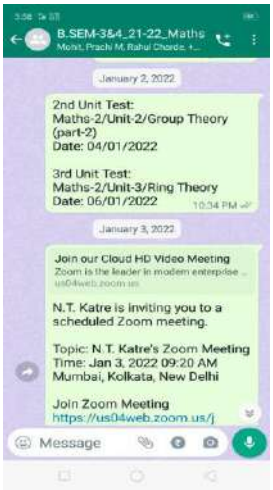

B.SEM-3&4_21-22_Maths
Okkk
Reminder : There is a unit test on unit-2 (special functions) of Maths-2 at 4:30 p.m.
B.Sc. Sem-4 Maths-2 Unit Test-2
https://forms.gle/3oww7ne7Bc2WBwxM9
Link for Maths-2 (Unit-2) Test . Time: 4:30 p.m. to 5:00 p.m.
June 16, 2022
Mohit pawar
Join our Cloud HD Video Meeting
Mohit Pawar is inviting you to a scheduled Zoom meeting.
Message


B.Sc-I-MTH-(21-22)
June 15, 2022
Nabira Mahavidyalaya Katol
https://forms.gle/G573oAEAmp1aoLbz6
Link for Maths-1 (Unit-1) Test . Time: 11:00 a.m. to 11:20 a.m.
Nabira Mahavidyalaya Katol
https://forms.gle/dMTi5ymc6fY88PN87
Link for Maths-2 (Unit-2) Test . Time: 1:00 p.m. to 1:20 p.m.
Message

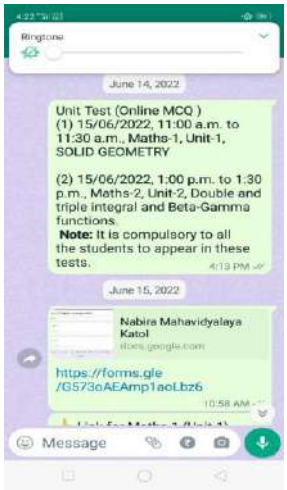

B.Sc-I-MTH-(21-22)
Sign in - Google Accounts
https://classroom.google.com/c/MTY1MTg0NjA3MzQw?cjc=3ocf5fg
Join B.Sc.Sem-1 Maths classroom by clicking the above link to access the study material and video lectures.
Watch all the videos of Complex Numbers (Unit-1/Maths-1) uploaded in google classroom; regularly by following the sequence (numbered as CN-1 to CN-12). If you have any doubts, you can ask me by posting your questions in this group without hesitation. Also, you prepare your notes while watching the videos or reading the notes provided to you.
December 31, 2021
Message


B.SEM-5&6_21-22_Maths
There is online MCQ test on unit-1 & 2 of Maths-2 (Special theory of relativity) as per the schedule given below:
Date: 18/05/2022 (Wednesday)
Time: 3:00 p.m.
This test is mandatory to all the students.
May 18, 2022
Unit-1: 3:00 p.m. to 3:20 p.m.
Unit-2: 3:30 p.m. to 3:50 p.m.
QUIZ-1 (STR: Unit-1)
https://forms.gle/WaNDg5KndbnVcFZf7
B.Sc.Sem-6/MCQ Test/ Maths-2/ Unit-1
Duration: 20 minutes.
Message

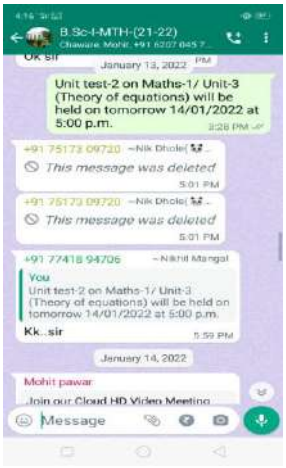

B.Sc-I-MTH-(21-22)
Forwarded
NABIRA MAHAVIDYALAYA, KAT...
https://forms.gle/jRec7spDCicQmY2F9
This is the link for Maths-1. Start your paper now and submit it by 12:10 p.m.
February 23, 2022
Mohit pawar
Forwarded
NABIRA MAHAVIDYALAYA_KATOL_RTM Nagpur ...
https://forms.gle/Fa8vmAmwtd1Sw9Mp7
Message


B.SEM-3&4_21-22_Maths
January 2, 2022
2nd Unit Test: Maths-2/Unit-2/Group Theory (part-2) Date: 04/01/2022
3rd Unit Test: Maths-2/Unit-3/Ring Theory Date: 06/01/2022
January 3, 2022
Join our Cloud HD Video Meeting
N.T. Katre is inviting you to a scheduled Zoom meeting.
Topic: N.T. Katre's Zoom Meeting
Time: Jan 3, 2022 09:20 AM Mumbai, Kolkata, New Delhi
Join Zoom Meeting
https://us04web.zoom.us/j
Message


B.SEM-5&6_22-23_Mat...
Unit test -2 is scheduled on 15/06/22 (tomorrow) at 11:30 AM. This test is based on unit-3 (series) and it is compulsory for internal marks.
There will be MCQ Test on Unit -2 (Special Functions) of Maths-2 on 15/06/2022 at 4:30 p.m. to 5:00 p.m.
It is very essential and compulsory to all the students to appear in the test.
15 June 2022
https://forms.gle/nf3jttpitbFqeJno7
link of unit test. Join now
Okkk
Reminder : There is a unit test on
Message


Ringtone
June 14, 2022
Unit Test (Online MCQ) (1) 15/06/2022, 11:00 a.m. to 11:30 a.m., Maths-1, Unit-1, SOLID GEOMETRY
(2) 15/06/2022, 1:00 p.m. to 1:30 p.m., Maths-2, Unit-2, Double and triple integral and Beta-Gamma functions.
Note: It is compulsory to all the students to appear in these tests.
June 15, 2022
Nabira Mahavidyalaya Katol
https://forms.gle/G573oAEAmp1aoLbz6
Message

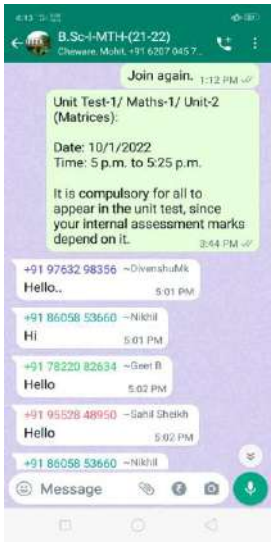

B.Sc-II-MTH-(22-23)
Today's UT will start on 6:00PM today.
Ok Sir
Ok sir
Ok sir
Ok sir
Nabira Mahavidyalaya, Katol
https://forms.gle/pUsMq95RkJ7gYqmD8
Join this test at 6:00 PM and submit it before 6:30PM.
Screenshot_2022-02-03-18-10-06-52.jpg
Message


B.Sc-I-MTH-(21-22)
January 13, 2022
Unit test-2 on Maths-1/ Unit-3 (Theory of equations) will be held on tomorrow 14/01/2022 at 5:00 p.m.
This message was deleted
This message was deleted
You
Unit test-2 on Maths-1/ Unit-3 (Theory of equations) will be held on tomorrow 14/01/2022 at 5:00 p.m.
Kk..sir
January 14, 2022
Mohit pawar
Message


B.SEM-3&4_21-22_Maths
You have to submit your unit test paper by 3:30 p.m. You will get the link for unit test shortly.
B.Sc. Sem-3/ M-2/UT-2
https://forms.gle/HC17Mi48nUoungtc6
B.Sc. Sem-3 Maths-2 Unit test-2 (unit-2)
Okk sir
January 5, 2022
Mohit pawar
Your U.T.-2 of paper-1 is held on 05-01-2022 at 4PM. This test is based on unit-1 .
Message


B.Sc-I-MTH-(21-22)
Sir link nahi pathvli ajun
B.Sc. Sem-1/ Maths-1/ Unit Test-1/ Unit-2 (Matrices) Duration:20 min. Marks:10
https://forms.gle/u2BSXhajL9EEDqcj6
Submit it by 5:25 p.m.
January 11, 2022
N.T. Katre is inviting you to a scheduled Zoom meeting.
Topic: N.T. Katre's Zoom Meeting
Time: Jan 11, 2022 12:40 PM Mumbai, Kolkata, New Delhi
Join Zoom Meeting
https://us04web.zoom.us/j/74418235163?pwd=OWp3LDnooQDakIBxcc3TvOOU3IQWW.1
Meeting ID: 744 1823 5163
Passcode: G7DJeU
Message

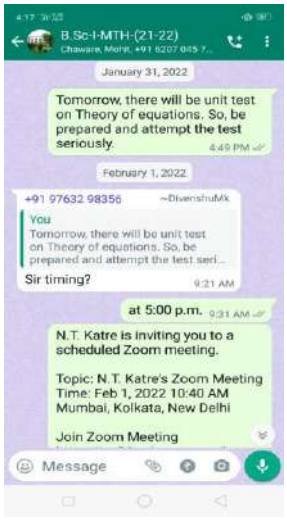

B.Sc-II-MTH-(22-23)
Today's Unit test is start on 5:00 PM and it is based on unit-3.
Test will start on 7:00 PM.
Sir unit test link??
Hh sir
Wait for a moment
Nabira Mahavidyalaya,Katol
https://forms.gle/BbvwWjyQcJjZRo4n9
Join this link now to start your test
Those who have not submitted test upto yet then submit it in two minutes before closing the link.
5 February 2022
Katre Sir
Forwarded
Message


B.Sc-I-MTH-(21-22)
Join again.
Unit Test-1/ Maths-1/ Unit-2 (Matrices):
Date: 10/1/2022
Time: 5 p.m. to 5:25 p.m.
It is compulsory for all to appear in the unit test, since your internal assessment marks depend on it.
Hello..
Hi
Hello
Hello
Message


B.SEM-5&6_21-22_Maths
Tomorrow at 4:00 p.m, there will be a unit test on Maths-2 Unit-3 : Ring Theory.
It's compulsory for all to appear in the test.
November 18, 2021
N.T. Katre is inviting you to a scheduled Zoom meeting.
Topic: N.T. Katre's Zoom Meeting
Time: Nov 18, 2021 09:40 AM Mumbai, Kolkata, New Delhi
Join Zoom Meeting
https://us04web.zoom.us/j/74987227163?pwd=ckxTTmlVTkdCTGhhaTVSZlIUTGQvUT09
Meeting ID: 749 8722 7163
Passcode: 3r3qnb
Join again for 5 minutes.
Message


B.Sc-I-MTH-(21-22)
February 2, 2022
B.Sc. sem 1 / M 1/UT 2
Duration - 20 min
https://docs.google.com/forms/d/e/1FAIpQLScd9AuCvh6a2veqy_L-ETFStKcclOvghcgRV2VKqXPLiqudpA/viewform?usp=sf_link
Above is the link of unit test-2 (unit-3 of Maths-1). Submit it by 6:00 p.m. today.
Wait in half and hour sir ...i have request you sir ..
February 3, 2022
Mohit powar
Unit test schedule for paper:2
Unit test-I : Unit-1 on 03/02
Message


B.SEM-5&6_21-22_Maths
May 18, 2022
MAHAVIDYALAYA, KAT...
Attempt all questions. Max...
https://forms.gle/xiVQsYgfTKtW5L9v7
Link for B.Sc.Sem-6/ MCQ Test/ Maths-2/Unit-2
Duration: 20 minutes .
Start this test now. Submit it within 20 minutes.
Dhotarkar
NABIRA MAHAVIDYALAYA, KATOL
Message


B.Sc-I-MTH-(21-22)
January 31, 2022
Tomorrow, there will be unit test on Theory of equations. So, be prepared and attempt the test seriously.
February 1, 2022
You
Tomorrow, there will be unit test on Theory of equations. So, be prepared and attempt the test seri...
Sir timing?
at 5:00 p.m.
N.T. Katre is inviting you to a scheduled Zoom meeting.
Topic: N.T. Katre's Zoom Meeting
Time: Feb 1, 2022 10:40 AM Mumbai, Kolkata, New Delhi
Join Zoom Meeting
Message


B.SEM-5&6_22-23_Mat...
Time: Dec 31, 2021 12:40 PM Mumbai, Kolkata, New Delhi
Join Zoom Meeting
https://us04web.zoom.us/j/77189576385?pwd=WmJXM1J3a3lTbE5FdzZUVmVaMytsdz09
Meeting ID: 771 8957 6385
Passcode: R87iZ0
Join again.
U.T.-1 will start on 5:00 PM.
Paper Nhi hai kya
Wait for a moment.
Nabira Mahavidyalaya, Katol
https://forms.gle/eV5E2Z1DRJ61JZCf9
Join the link given above now to start your UT and submit it before 6:00PM.
Message

B.Sc. Sem-2/ ~~Maths~~ 1 / Internal Assessment Marks / Summer 2022

		M1	M2
1	Aachal R. Charde	10	11
2	Anjali P. Sawaskar	14	13
3	Anjali N. Gaikwad	10	9
4	Bhawana R. Bhoyar	11	10
5	Bhagyashri D. Raut	13	12
6	Chaitali S. Murkute	10	9
7	Diparjali M. Alone	11	12
8	Gayatri D. Damedhar	13	10
9	Hina A. Dhannade	13	12
10	Isha B. Kasase	10	9
11	Janvi M. Thakre	11	11
12	Kanchan R. Gurao	14	13
13	Karina N. Dhobale	11	11
14	Krutika M. Kale	10	10
15	Mayuri A. Jumankar	14	13
16	Monika W. Tajane	10	10
17	Nikita M. Dhole	10	9
18	Neha H. Sable	13	11
19	Pooja A. Dohaliya	10	9
20	Payal R. Gaikwad	7	8
21	Pragati G. Munne	9	9
22	Pranjali D. Rewatkar	14	12
23	Pravina P. Lokhande	9	9
24	Riba M. E. Baig	13	13
25	Ritu E. Yenorkar	15	14
26	Rutuja V. Deo	10	10
27	Sakshi S. Kumeriya	12	13
28	Saniya P.M. Alisheikh	12	13
29	Sayama R. Sheikh	12	11
30	Sneha S. Dhote	13	13
31	Sonali M. Pandey	13	11

(N. T. Kate)

		M1	M2
	Shital V. Zode	10	9
3	Shweta S. Uikey	9	9
34	Vrunda S. Hajare	12	10
35	Vrushali P. Shende	10	12
36	Aditya D. Amparwar	14	14
37	Anikesh P. Kumesiya	8	11
38	Ankush A. Bhange	13	12
39	Devanshu L. Maraskolhe	13	12
40	Geetkumar Bhasme	11	10
41	Harsh D. Barde	7	8
42	Harshal A. Deshmukh	12	10
43	Jay P. Kumesiya	10	9
44	Kunal J. Thawale	11	11
4	Kunal R. Tapare	13	10
46	Lucky C. Ikhar	10	14
47	Manish K. Shende	14	14
48	Mohnish G. Dharme	11	11
49	Mayur P. Kalbande	11	11
50	Nayan Sambhase	10	9
51	Nikhil R. Thombare	14	11
52	Prakash V. Pachode	12	10
53	Pranav G. Wanjari	14	13
54	Pranay P. Malvi	14	11
55	Pawan V. Junghare	11	12
	Rajat G. Dhande	10	9
57	Rohit Jaiswal	9	9
58	Rahul R. Wankhede	10	9
59	Sahil H. Sheikh	12	12
60	Sarang V. Wagh	12	10
61	Satish S. Taywade	15	12
62	Shivan J. Didawat	12	12
63	Sankalp D. Baviskar	14	12
64	Vedant O. Pande	13	12
65	Vishal S. Tonge	10	9
66	Yogesh B. Mahalle	14	13
67	Neha Kakde	9	9
68	Ruchika Bhasme	10	9

(N. T. Katre)

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

https://www.nagpur.university

Internal Marks Sheet

Exam Name: THIRD SEMESTER BACHELOR OF SCIENCE (B.SC.) sem
Subject Name: MATHEMATICS (PAPER I)
College Name: (325) NABIRA MAHAVIDYALAYA
Session: Winter-2021

Sr	Seat No	Enrollment	Student Name	Maths-1	Maths-2 Marks /Max-15
1	480824	20211032506230	AKANKSHA BANDUJI PATIL	13	14
2	480825	20211032506231	ANKITA SHANKAR MADAVI	12	12
3	480829	20211032506236	BHAGYASHRI RAMESH DAWARE	11	12
4	480832	20211032506239	CHETNA BANDU ADLE	14	14
5	480837	20211032506243	DIKSHITA VILASRAO LOHI	12	15
6	480839	20211032506245	DIVYA DNYANESHWAR MUSALE	14	14
7	480840	20211032506246	DIVYA NARENDRA BHINGARE	13	14
8	480842	20211032506248	DIVYANI DIPAK HATMODE	12	12
9	480845	20211032506252	GUNJAN RAJESH RITHE	14	14
10	480849	20211032506256	HIMANSHI SANJAY BHORE	14	14
11	480850	20211032506257	ISHA ANIL SHRIKHANDE	09	10
12	480853	20211032506260	JANHAVI SUNIL AKHAND	14	15
13	480854	20211032506261	JANHVI RAMCHANDRA KADU	08 *	08 *
14	480858	20211032506265	KHUSHALI MANOJKUMAR WAGH	14	14
15	480863	20211032506270	KOMAL KASHINATH SOMKUWAR	11	09
16	480868	20211032506275	LEENA LILADHARJI SAWARKAR	14	12
17	480870	20211032506277	LEENA UMESH THAKRE	10	11
18	480873	20211032506280	MANDIRA MANOJ PANDE	11	11
19	480877	20211032506285	MAYURI HARICHANDRA NAGDEVE	13	09
20	480878	20211032506286	MAYURI RAMBHAU REWATKAR	10	12
21	480880	20211032506288	MINAL DILIP SARODE	08 *	09
22	480881	20211032506289	MONALI BANDU DONGRE	13	08 *
23	480883	20211032506291	MONIKA TULARAM BOBHATE	12	12
24	480886	20211032506294	NALINI PUNDLIK PATHADE	12	12
25	480889	20211032506297	NEHA PARESHRAO TARTE	08 *	08 *
26	480894	20211032506301	NIKITA ASHOK BHISE	14	12
27	480902	20211032506309	PAYAL DNYANESHWAR CHARPE	12	15
28	480906	20211032506313	PAYAL VILAS GAJBHIYE	14	12
29	480907	20211032506314	POONAM DASHRATH NISHANE	08 *	10
30	480909	20211032506316	PRACHI ANAND MAHAJAN	11	12
31	480911	20211032506318	PRADITI KALESHWAR UMAP	12	12
32	480914	20211032506323	PRATIKSHA GUNVANTA MOHOD	11	12
33	480920	20211032506329	RADHA RAJENDRA CHANDGHODE	12	13
34	480926	20211032506336	RUPALI KISNAJI BORJE	09	10
35	480927	20211032506337	RUPALI LILADHAR LAKE	08 *	08 *
36	480928	20211032506338	RUPALI MOHAN MAHATO	12	13
37	480929	20211032506339	RUPALI NIRANJAN NERKAR	11	13
38	480931	20211032506341	RUTU SUJIT BISWAS	14	12
39	480934	20211032506344	SAKSHI ARUNRAO BOTRE	11	12
40	480935	20211032506345	SAKSHI BHIMRAO MUSALE	13	12
41	480940	20211032506350	SAKSHI RAJKUMAR BHISE	10	10
42	480941	20211032506352	SAKSHI SHRIRAM MURODIYE	12	13
43	480948	20211032506360	SHREYA RAJENDRA NAGPURE	14	13
44	480949	20211032506361	SHRUTI KIRANRAO MANDAVGADE	12	13
45	480951	20211032506363	SMITA WASUDEO DEULKAR	14	13
46	480954	20201032503445	SONAL KISHOR KALBANDE	08 *	08 *
47	480955	20211032506365	SONAL SANJAY DAKHARE	10	11

Signature Of Examiner M. P. Pawar

Internal Marks Sheet

Exam Name: THIRD SEMESTER BACHELOR OF SCIENCE (B.SC.) sem
Subject Name: MATHEMATICS (PAPER I)
College Name: (325) NABIRA MAHAVIDYALAYA
Session: Winter-2021

Sr	Seat No	Enrollment	Student Name	Maths-1	Maths-2 Marks /Max-15
48	480961	20211032506372	TEJASWINI RAMKRUSHNA TULE	14	13
49	480962	20211032506371	TEJASWINI VASANTRAO CHANNE	09	11
50	480964	20211032506374	VAISHNAVI DILIP DOIJOD	11	11
51	480965	20211032506375	VAISHNAVI DINBANDHU RAUT	09	11
52	480972	20211032506382	VAISHNVI SURESH MANKAR	10	11
53	480975	202110325063850	ABHISHEK NAMDEORAO GHOTOLE	08*	09
54	480977	20211032506387	AKHILESH KHUSHAL GHAGRE	08*	09
55	480978	20211032506388	AMAN RAMESHWAR KUMERIYA	13	10
56	480979	20211032506389	AMAN SATISHRAO SATPUTE	14	13
57	480981	20211032506391	CHAITANYA BHAGWATRAO PAWAR	15	13
58	480984	20211032506394	DEVENDRA NARESH GHAGARE	12	12
59	480988	20211032506399	HARSH SURESH PURI	10	11
60	480989	20211032506400	HARSHAL PRAMOD KALE	12	12
61	480992	20211032506403	KARTIK PRAKASH CHAUDHARI	10	12
62	480994	20211032506405	LITESHKUMAR JAGNNATH KATHANE	08*	09
63	480995	20211032506406	MANTHAN SHRIKANT KADWE	14	12
64	480996	20211032506407	MOHIT PUNDLIK WAGHE	10	10
65	480997	20211032506408	NAYAN SURESH SHIRPURKAR	10	09
66	480998	20211032506409	NIKHIL BHADULAL THAKUR	10	08*
67	481001	20211032506411	PAWAN BALKRUSHNA BHUYAR	15	12
68	481002	20211032506413	PIYUSH CHANDRASHEKHAR VAIDYA	12	13
69	481003	20211032506414	PRAFUL VISHNUJI SATVE	13	13
70	481006	20211032506417	RAHUL VIJAY CHARDE	08*	08*
71	481011	20211032506421	SAGAR KISNAJI NEHARE	13	13
72	481012	20211032506422	SAHIL RAJENDRA BAGDE	08*	11
73	481013	20211032506423	SAHIL SANJAYRAO KSHIRSAGAR	12	12
74	481016	20211032506425	SHAHNAWAJ NISAR SHEIKH	15	14
75	481017	20211032506426	SHAILESH SUNIL DONGARE	13	13
76	481020	20211032506430	VAIBHAV LILADHAR BANNAGARE	13	09
77	481021	20211032506431	VAIBHAV MANOJ BANAFAR	12	09
78	481022	20211032506432	VAIBHAV VITTHAL BAWANKAR	10	11
79	481023	20211032506433	VEDANT PRAKASHRAO JAGTAP	10	10
80	481025	20211032506436	YASH NARAYAN MANGAL	07*	07*
81	481026	20211032506437	YASH SUNIL KALBANDE	09	09
82	481028	RTMNU/20173031506663	RUCHIKA VILASRAO KALMEGH	—	—
83	481029	2020103250341	RUPALI VASANTA SEMBEKAR	—	—

Signature Of Examiner M.P.Pawar

Print Date & Time: 06-01-2022 09:34 AM

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

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Internal Marks Sheet

Exam Name: FOURTH SEMESTER BACHELOR OF SCIENCE (B.SC.) sem
Subject Name: MATHEMATICS (PAPER I)
College Name: (325) NABIRA MAHAVIDYALAYA
Session: Summer-2022

Sr	Seat No	Enrollment	Student Name	M1	M2 Marks /Max-15
1	475471	20211032506230	AKANKSHA BANDUJI PATIL	13	14
2	475472	20211032506231	ANKITA SHANKAR MADAVI	12	12
3	475476	20211032506236	BHAGYASHRI RAMESH DAWARE	13	14
4	475479	20211032506239	CHETNA BANDU ADLE	13	13
5	475484	20211032506243	DIKSHITA VILASRAO LOHI	14	14
6	475486	20211032506245	DIVYA DNYANESHWAR MUSALE	13	14
7	475487	20211032506246	DIVYA NARENDRA BHINGARE	11	13
8	475489	20211032506248	DIVYANI DIPAK HATMODE	12	13
9	475492	20211032506252	GUNJAN RAJESH RITHE	13	13
10	475496	20211032506256	HIMANSHI SANJAY BHORE	14	14
11	475497	20211032506257	ISHA ANIL SHRIKHANDE	10	8
12	475500	20211032506260	JANHAVI SUNIL AKHAND	13	14
13	475501	20211032506261	JANHVI RAMCHANDRA KADU	8	8
14	475505	20211032506265	KHUSHALI MANOJKUMAR WAGH	13	14
15	475510	20211032506270	KOMAL KASHINATH SOMKUWAR	12	10
16	475515	20211032506275	LEENA LILADHARJI SAWARKAR	12	14
17	475517	20211032506277	LEENA UMESH THAKRE	13	10
18	475520	20211032506280	MANDIRA MANOJ PANDE	11	11
19	475524	20211032506285	MAYURI HARICHANDRA NAGDEVE	13	14
20	475525	20211032506286	MAYURI RAMBHAU REWATKAR	13	12
21	475527	20211032506288	MINAL DILIP SARODE	13	10
22	475528	20211032506289	MONALI BANDU DONGRE	10	14
23	475530	20211032506291	MONIKA TULARAM BOBHATE	12	14
24	475533	20211032506294	NALINI PUNDLIK PATHADE	11	11
25	475536	20211032506297	NEHA PARESHRAO TARTE	12	13
26	475540	20211032506301	NIKITA ASHOK BHISE	13	14
27	475549	20211032506309	PAYAL DNYANESHWAR CHARPE	14	14
28	475553	20211032506313	PAYAL VILAS GAJBHIYE	12	11
29	475554	20211032506314	POONAM DASHRATH NISHANE	08	08
30	475556	20211032506316	PRACHI ANAND MAHAJAN	11	10
31	475558	20211032506318	PRADITI KALESHWAR UMAP	10	11
32	475561	20211032506323	PRATIKSHA GUNVANTA MOHOD	13	10
33	475567	20211032506329	RADHA RAJENDRA CHANDGHODE	12	13
34	475573	20211032506336	RUPALI KISNAJI BORJE	11	10
35	475574	20211032506337	RUPALI LILADHAR LAKE	13	13
36	475575	20211032506338	RUPALI MOHAN MAHATO	12	8
37	475576	20211032506339	RUPALI NIRANJAN NERKAR	13	14
38	475578	20211032506341	RUTU SUJIT BISWAS	14	14
39	475581	20211032506344	SAKSHI ARUNRAO BOTRE	14	14
40	475582	20211032506345	SAKSHI BHIMRAO MUSALE	12	14
41	475587	20211032506350	SAKSHI RAJKUMAR BHISE	13	13
42	475588	20211032506352	SAKSHI SHRIRAM MURODIYE	10	08
43	475595	20211032506360	SHREYA RAJENDRA NAGPURE	14	12
44	475596	20211032506361	SHRUTI KIRANRAO MANDAVGADE	13	10
45	475598	20211032506363	SMITA WASUDEO DEULKAR	13	14
46	475601	20201032503445	SONAL KISHOR KALBANDE	10	9
47	475602	20211032506365	SONAL SANJAY DAKHARE	13	12
48	475608	20211032506372	TEJASWINI RAMKRUSHNA TULE	12	14

	475611	20211032506374	VAISHNAVI DILIP DOIJOD	12	12
51	475612	20211032506375	VAISHNAVI DINBANDHU RAUT	14	14
52	475619	20211032506382	VAISHNVI SURESH MANKAR	12	9
53	475622	202110325063850	ABHISHEK NAMDEORAO GHATOLE	13	11
54	475624	20211032506387	AKHILESH KHUSHAL GHAGRE	13	10
55	475625	20211032506388	AMAN RAMESHWAR KUMERIYA	10	8
56	475626	20211032506389	AMAN SATISHRAO SATPUTE	12	11
57	475628	20211032506391	CHAITANYA BHAGWATRAO PAWAR	14	14
58	475631	20211032506394	DEVENDRA NARESH GHAGARE	13	10
59	475635	20211032506399	HARSH SURESH PURI	12	11
60	475636	20211032506400	HARSHAL PRAMOD KALE	13	13
61	475639	20211032506403	KARTIK PRAKASH CHAUDHARI	11	12
62	475641	20211032506405	LITESHKUMAR JAGNNATH KATHANE	13	13
63	475642	20211032506406	MANTHAN SHRIKANT KADWE	14	14
64	475643	20211032506407	MOHIT PUNDLIK WAGHE	11	11
65	475644	20211032506408	NAYAN SURESH SHIRPURKAR	11	8
66	475645	20211032506409	NIKHIL BHADULAL THAKUR	11	12
67	475647	20211032506411	PAWAN BALKRUSHNA BHUYAR	14	14
68	475649	20211032506413	PIYUSH CHANDRASHEKHAR VAIDYA	13	12
69	475650	20211032506414	PRAFUL VISHNUJI SATVE	11	14
70	475653	20211032506417	RAHUL VIJAY CHARDE	8	11
71	475658	20211032506421	SAGAR KISNAJI NEHARE	12	08
72	475659	20211032506422	SAHIL RAJENDRA BAGDE	11	12
73	475660	20211032506423	SAHIL SANJAYRAO KSHIRSAGAR	12	13
74	475663	20211032506425	SHAHNAWAJ NISAR SHEIKH	12	12
75	475664	20211032506426	SHAILESH SUNIL DONGARE	12	10
76	475667	20211032506430	VAIBHAV LILADHAR BANNAGARE	12	12
77	475668	20211032506431	VAIBHAV MANOJ BANAFAR	13	10
78	475669	20211032506432	VAIBHAV VITTHAL BAWANKAR	11	10
79	475670	20211032506433	VEDANT PRAKASHRAO JAGTAP	11	11
80	475672	20211032506436	YASH NARAYAN MANGAL	8	08
81	475673	20211032506437	YASH SUNIL KALBANDE	11	8
82	475674	2014016600063001	SAUDAMINI WAMANRAO PANCHABHAI	08	08
49	475609		T.V. Channe	12	11

Signature Of Examiner

Print Date & Time: 23-06-2022 05:32 PM

B.Sc - II / Sem - IV / Paper - I

Unit Test - I summer - 22

Sr.	Name	Sign
1	Devendra N. Ghagare	
2	Aman S. Satpute	
3	Praful V. Salve	
4	Abhishek N. Mahatole	
5	Pawan Bhuyar	P. Bhuyar
6	Mahan Kadve	
7	Chaitnaya Pawar	
8	Piyush C. Vaidya.	
9	Vaibhav L. Bannagare	
10	Litesh T. Kathane.	
11	Akhilesh K. Ghagare.	
12	Mohit P. Waghe.	
13	Vedant P. Jagtap	V.P. Jagtap
14	Vaibhav M. Bandar	
15	Harshal P Kale	
16	Yash S. Kalbande	
17	Harsh S Puri	
18	Nikhil B. Thakur.	
19	Kartik P. Chaudhari	
20	Sahil S. Kshirsagar	
21	Rupali N. Nerkar	
22	Janhavi S. Aikhand	
23	Himanshi S. Bhore	
24	Shruti K. Mandavgade	
25	Mayuri R. Rewatkar	
26	Sonal S. Dakhare	
27	Saksha A. Bore	
28	Rutu S. Biswas	
29	Payal D. Charpe	
30	Ankita S. Madavi	A.S. Madavi
31	Rupali M. Mahato	
32	Vaishnavi D. Doiphode	

33) Mandira M. Pande
34) Prachi Anandrao Mahajan
35) Monali B. Dongee
36) Nalini P. Pathade
37) Isha A. Shejkhande
38) Divyani D. Hatmode
39) Praditi K. Umap
40) Leena Umeshrao Thakre
41) Bhagyashri R. Dawane
42) Mayuri H. Nagdeve
43) Divya D. Musale
44) Chetna Adle
45) Akanksha B. Patil
46) Payal V. Gajbhiye
47) Divya N. Bhingare
48) Minal D. Sarode
49) Tejaswini R. Tube
50) Smita W. Deulkar
51) Gunjan R. Rithe
52) Shreya N. Nagpure
53) Nikita A. Bhise
54) Sakshi B. Musale
55) Khushali M. Wagh
56) Monika T. Bobhate
57) Leena Wiladhar Sawarkar
58) Tejaswini Vasantaji Channe
59) Radha Rajendra Chandghode
60) Komal Kashinathji Somkuwar
61) Neha Pareshrao Tarte
62) Rupali Kisnaji Borje
63) Rupali Liladharji Lokhe
64) Vaishnavi Dinbandhu Raut
65) Dikshita Vikas Lohi
66) Vaishnavi Suresh Mankar

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

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Internal Marks Sheet

Exam Name: FIFTH SEMESTER BACHELOR OF SCIENCE (B.SC.) sem
Subject Name: MATHEMATICS (PAPER I)
College Name: (325) NABIRA MAHAVIDYALAYA
Session: Winter-2021

Sr	Seat No	Enrollment	Student Name	MATHS-1	MATHS-2 Marks /Max-15
1	497384	20201032503305	AISHWARYA DINESH METANGALE	13	12
2	497385	20201032503306	AKANKSHA SHANKAR BABULKAR	13	12
3	497389	20201032503311	ASHLESHA RAJESH KHANTE	13	14
4	497392	20201032503314	ASHWINI KISHOR GAKHARE	13	13
5	497394	20201032503316	AWANTIKA NARESH DURGE	12	12
6	497395	20201032503317	BHUMIKA RAJU RAUT	14	15
7	497397	20201032503319	CHAITALI GANESHRAO SAWARKAR	13	15
8	497399	20201032503321	CHARUSHILA GAJANANRAO BHANGE	9	13
9	497405	20201032503327	DIVYA RAMESH DHUNDE	8	8
10	497406	20201032503328	DIVYANI RAJENDRA DEHANKAR	13	12
11	497407	20201032503329	DNYANESHWARI DHANRAJ LAWANKAR	13	12
12	497410	20201032503332	GAURI DILIP NIMBURKAR	12	13
13	497413	20201032503335	GUNJAN EKNATH YENORKAR	15	15
14	497414	20201032503336	GUNJAN MANOJ RAUT	15	15
15	497416	20201032503338	HARSHALI ASHOK BAWANE	13	14
16	497420	20201032503342	JAGRUTI NARENDRA CHARDE	13	13
17	497428	20201032503351	KAVITA NARAYAN KAMDI	14	14
18	497431	20201032503354	KIRAN DEVIDAS VAIDYA	14	13
19	497432	20201032503355	KIRAN KANCHAN ZADE	13	14
20	497433	20201032503357	KIRAN SUNIL KUTHE	13	13
21	497438	20201032503361	KRUTIKA PRAKASH DHOTE	13	12
22	497439	20201032503362	KUNTESHWARI MOHANRAO NASRE	14	14
23	497441	20201032503364	MAYURI KANTESHWAR BODHALE	13	12
24	497446	20201032503367	MRUNAL RAJENDRA INGLE	13	12
25	497451	20201032503372	NIKITA SANJAY REWATKAR	14	12
26	497453	20201032503374	NIVEDITA CHANDRASHEKHAR DONGRE	13	14
27	497454	20201032503375	PAYAL LAXMIKANT KHODE	13	12
28	497458	20201032503380	PRACHI RAMBHAU CHARPE	13	14
29	497460	20201032503382	PRACHI SHANKARRAO GOTMARE	15	14
30	497462	20201032503384	PRAJETA PUNUDAS MAHANT	12	10
31	497463	20201032503385	PRANALI RAMESHRAO SUTONE	10	13
32	497464	20201032503386	PRANJALI DHANANJAY MADANKAR	15	13
33	497469	20201032503391	PRATIKSHA RAJUJI PARTEKI	13	13
34	497472	20201032503394	PRIYANKA RAMESH DESHMUKH	13	13
35	497474	20201032503397	PUNAM OMPRAKASH GOTMARE	13	14
36	497476	20201032503399	RACHI LILADHAR MAHAJAN	13	14
37	497477	20201032503400	RASHMI AJABRAO GAIKWAD	11	11
38	497479	20201032503402	RASIKA VIJAYRAO WANKHEDE	12	14
39	497485	20201032503408	ROHINI SURENDRA GAJBHIYE	11	12
40	497486	20201032503409	ROSHANI PRABHAKARRAO MANGULKAR	15	15
41	497488	20191031507849	RUPALI DASHRATH BODE	13	13
42	497490	20201032503414	RUPALI VASANTA SEMBEKAR	8	8
43	497495	20201032503419	SAKSHI PUNJARAM MURODIYA	13	13
44	497497	20201032503421	SAKSHI SANJAY GAYAKWAD	13	12
45	497498	20201032503422	SAKSHI SUKHADEORAO CHARDE	13	12
46	497499	20201032503423	SAMIKSHA BABARAO PATIL	12	12
47	497503	20201032503427	SAMIKSHA SANJAY NIMKAR	13	12
48	497504	20201032503429	SEJAL DEVIDAS REWATKAR	14	13
49	497508	20201032503433	SHEETAL RAJENDRA BHONDVE	10	13
50	497509	20201032503434	SHEJAL SHANKAR GHORMADE	12	13

Signature Of Examiner Prof. N-T. Katre

Print Date & Time: 16-12-2021 11:14 AM

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

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Internal Marks Sheet

Exam Name: FIFTH SEMESTER BACHELOR OF SCIENCE (B.SC.) sem
Subject Name: MATHEMATICS (PAPER I)
College Name: (325) NABIRA MAHAVIDYALAYA
Session: Winter-2021

Sr	Seat No	Enrollment	Student Name	MATHS-1	MATHS-2 Marks /Max-15
51	497511	20201032503435	SHITAL PRALHAD KHAWSHI	11	12
52	497512	20201032503436	SHIVANI PRABHAKAR KHARPURIYA	13	13
53	497516	20201032503442	SHRUTI SURESH NARNAWARE	15	15
54	497518	20201032503446	SURABHI SUNIL KATARE	10	12
55	497525	20201032503453	TEJASWINI CHANDRASHEKHAR HIRUDKAR	13	12
56	497527	20201032503455	VAISHALI KESHAVRAO BALPANDE	12	12
57	497531	20201032503459	VAISHNAVI SHRIRAMJI BOKDE	13	11
58	497533	20201032503461	VISHAKHA GANPATI MASKE	12	14
59	497534	20201032503462	YAMINI DIVAKAR DHOK	11	12
60	497538	20201032503467	ABHISHEK MAHENDRA GAJBHIYE	13	12
61	497539	20201032503468	ABHISHEK NANDKISHOR BHALAVI	13	14
62	497541	20201032503470	ANSHITA UMESH KHANDAIT	13	12
63	497544	20201032503475	CHETAN BALRAM CHAURASIYA	12	14
64	497547	20201032503479	DINESH LAKSHMAN BARDE	13	13
65	497548	20201032503481	GAURAV DHANENDRA DAKHOLE	14	12
66	497549	20201032503483	HARISH PREMKUMAR CHAVRE	10	12
67	497550	20201032503484	JAYANT SANJAYRAO BHOYAR	11	12
68	497551	20201032503486	KUNAL PRAMOD MAHANT	12	13
69	497552	20201032503487	LALIT GANGADHAR GAWANDE	11	11
70	497555	20201032503490	MAYUR SUBHASH BAHATKAR	13	14
71	497556	20191031507938	NAKUL RAMESHRAO DHOTARKAR	13	14
72	497559	20201032503496	PRAFULL GAJANAN BANDRE	13	12
73	497560	20201032503497	PRANAY SUNIL GIRI	12	12
74	497563	20201032503500	RITIKESH DADARAO BOTARE	13	13
75	497565	20201032503502	RUSHAY SANJEEV MANKAR	13	12
76	497566	20201032503503	SAHIL NARENDRA KALAMBE	13	13
77	497567	20201032503505	SATYAM ARVINDRAO BHUMBARE	13	12
78	497569	20201032503510	TEJAS ARUN DHANUSKAR	13	12
79	497571	20201032503512	TUSHAR GAJANANRAO BONDARE	8	8
80	497573	20201032503515	VIVEK DILIPRAO FUKE	13	10
81	497575	20201032503517	YASH OMKAR YEOLE	13	12
82	497576	20201032503356	KIRAN NAMDEO MORE	13	15
83	497577	20181031511447	AKSHAY ASHOK KOTHE	12	13

Signature Of Examiner

Print Date & Time: 16-12-2021 11:14 AM

B.Sc. Sem-6 : 2021-22 Unit Test-1 Unit-1 18/05/2022

	Timestamp	Email Address	UT-1 Score	Full Name	UT-2	Avg
1	5/18/202215:21:26		8 / 10	Abhishek nandkishor bhalavi	9	9
	~~7/7/2020 16:55:48~~	~~adityatjagdale15@gmail.com~~	~~10 / 10~~	~~Aditya T. Jagdale~~ Abhishek M. Gajbhiye	9	7
2	5/18/202215:28:15		9 / 10	Aishwarya Dinesh Metangale	9	9
	~~6/20/202115:00:52~~	~~aishwaryashinde222@gmail.com~~	~~7 / 10~~	~~Aishwarya Vilas Shinde~~		
3	5/18/202215:22:05		6 / 10	Akanksha Shankar Babulkar	10	8
	~~7/7/2020 20:00:54~~	~~akashsatpute090899@gmail.com~~	~~10 / 10~~	~~Akash suresh Satpute~~		
	~~7/7/2020 17:29:35~~	~~aksham.shambharkar@gmail.com~~	~~10 / 10~~	~~Aksham Shambharkar~~		
4	5/18/202215:17:19		7 / 10	Akshay Ashokrao Kothe	5	6
	~~7/8/2020 10:39:46~~	~~almasisheikh@gmail.com~~	~~9 / 10~~	~~Almas Ismail Sheikh~~		
	~~7/7/2020 20:37:41~~	~~aniketyeole121@gmail.com~~	~~10 / 10~~	~~Aniket Yeole~~		
	~~7/8/2020 11:10:12~~	~~ankitamalve26@gmail.com~~	~~10 / 10~~	~~Ankita Malve~~		
	~~7/8/2020 10:25:05~~	~~ankushbabhulkar3@gmail.com~~	~~10 / 10~~	~~Ankush Ramesh Babhulkar~~		
5	5/18/202215:25:58		7 / 10	Anshita Umesh Khandait	9	8
	~~5/18/202215:29:57~~		~~10 / 10~~	~~Ashlesha khante~~		
6	5/18/202215:21:59		10 / 10	Ashlesha Rajesh khante	9	10
7	5/18/202215:34:26		9 / 10	Ashwini kishor gakhare	6	8
8	5/18/202215:21:14		3 / 10	Awantika durge	1	2
9	5/18/202216:03:12		10 / 10	Bhumika Raju Raut	10	10
10	5/18/202215:13:40		10 / 10	Chaitali Ganeshrao sawarkar	6	8
11	5/18/202215:19:24		5 / 10	Charushila gajananrao bhange	5	5
	~~5/18/202215:21:08~~		~~4 / 10~~	~~Charushila gajananrao bhange~~		
12	5/18/202215:23:19		8 / 10	Chetan Balram Chaurasiya	8	8
	~~7/7/2020 16:39:09~~	~~cg7996761@gmail.com~~	~~9 / 10~~	~~Chetan D Giri Goswami~~		
	~~5/17/202222:43:46~~		~~Dgggh~~			
13	5/18/202215:23:05		10 / 10	Dinesh L Barde	6	8
14	5/18/202215:25:57		7 / 10	Divyani Rajendra Dehankar	9	8
15	5/18/202215:22:18		6 / 10	Gaurav Dhanendra Dakhole	10	8
16	5/18/202215:18:23		3 / 10	Gauri diliprav nimburkar	2	3
	~~7/7/2020 17:47:28~~	~~geetanjalibansod09@gmail.com~~	~~7 / 10~~	~~Geetanjali Purushottam Bansod~~		
17	5/18/202215:20:01		9 / 10	Gunjan Eknath Yenorkar	10	10
18	5/18/202215:21:28		9 / 10	Gunjan Manoj Raut	8	9
19	5/18/202215:23:22		7 / 10	Harish P. Chavre	7	7
				Dnyaneshwari Lawankar	5	4

			UT-1		UT-2	Avg
23	5/18/202215:17:54		8 / 10	Harshali Ashok Bawane	6	7
24	5/18/202215:23:51		5 / 10	jagruti Narendra charde	1	3
25	5/18/202215:23:20		6 / 10	Jayant Sanjayrao Bhoyar	9	8
	7/7/2020 21:19:48	tiplejuhi@gmail.com	10 / 10	Juhi purushottam tiple		
	7/7/2020 17:51:42	drkalpanapawar75@gmail.com	9 / 10	Kalpana N Pawar		
	9/24/202015:18:19	kalyanimadankar000@gmail.com	10 / 10	Kalyani Dhananjay Madankar		
28	5/18/202215:24:45		4 / 10	Kavita Narayan kamdi	6	5
21	5/18/202215:21:10		3 / 10	Kiran Devidas vaidya	2	3
28	5/18/202215:17:47		7 / 10	Kiran N.More.	6	7
29	5/18/202215:38:41		5 / 10	Kiran Sunil kuthe		
30	5/18/202215:45:18		5 / 10	Kiran Sunil kuthe		
26	5/18/202216:02:17		6 / 10	Kiran Sunil kuthe	7	7
27	5/18/202215:47:12		4 / 10	Kiran zade	7	6
28	5/18/202215:23:33		7 / 10	Krutika prakash dhote	4	6
29	5/18/202215:25:04		8 / 10	Kunal Pramod Mahant	5	7
30	5/18/202215:43:20		4 / 10	Kunteshwari mohan nasre	4	4
31	5/18/202215:17:53		5 / 10	Lalit gawande	-	4
	7/8/2020 11:08:57	leenamohatkar32@gmal.com	10 / 10	Leena madhav mohatkar		
	7/7/2020 18:30:08	mayurdahat4@gmail.com	8 / 10	Mayur chanduji dahat		
	7/7/2020 19:10:58	mayurradke49@gmail.com	10 / 10	Mayur Mahadeo Radke		
	7/8/2020 9:54:36	mayurmune1999@gmail.com	9 / 10	Mayur mune		
32	5/18/202215:23:37		5 / 10	Mayur subhashravji Bahatkar	7	6
33	5/18/202215:21:55		6 / 10	Mayuri kanteshwarji bodhale	8	7
	7/7/2020 18:45:04	mayurkate1999@gmail.com	10 / 10	Mr. Mayur Laxmanrao Kate		
34	5/18/202215:21:48		5 / 10	Mrunal Rajendra Ingle.	8	7
35	5/18/202215:25:23		10 / 10	Nakul Rameshrao Dhotarkar	6	8
36	5/18/202215:28:16		9 / 10	Nikita rewatkar	9	9
	7/7/2020 22:04:42	nitacharde12@gmail.com	10 / 10	Nita Suresh Charde		
37	5/18/202215:15:45		9 / 10	Nivedita Dongre	7	8
	7/8/2020 9:05:51	omprakashkymeriya@gmail.com	10 / 10	Omprakash bsc 6 sem		
	7/8/2020 10:11:09	payalchanne@rediffmail.com	10 / 10	Payal channe		
38	5/18/202215:27:03		8 / 10	Payal Laxmikant khode	9	9
39	5/18/202215:23:55		7 / 10	Prachi Shankar Gotmare	5	6
40	5/18/202215:24:35		8 / 10	Prachicharpe12031203@gmail.com	-	6

				UT-1	UT-2	Avg
41	5/18/202215:27:53			8 / 10 Prafull G.Bandre	8	8
42	5/18/202215:28:34			4 / 10 Prajeta punudas Mahant	6	5
~~43~~	~~5/17/202222:37:36~~			~~4 / 10 Prana~~		
	~~7/7/2020 21:25:09~~	~~pranalihiwarkar81@gmail.com~~		~~10 / 10 Pranali Dineshwar Hiwarkar~~		
	~~10/7/202020:14:38~~	~~pranali.dhobale@gmail.com~~		~~2 / 10 Pranali Hemraj Dhobale~~		
	~~7/7/2020 22:43:19~~	~~dewasepranali146@gmail.com~~		~~10 / 10 Pranali namdeo dewase~~		
43	5/18/202215:17:34			2 / 10 Pranali R. Sutone.	3	3
44	5/18/202215:19:17			6 / 10 Pranay giri	6	6
	~~7/8/2020 10:01:50~~	~~pranjalbhujade1999@gmail.com~~		~~10 / 10 Pranjal Maroti Bhujade~~		
45	5/18/202215:18:10			6 / 10 Pranjali Dhananjay Madankar	5	6
	~~7/8/2020 10:12:02~~	~~shendepranoti96@gmail.com~~		~~10 / 10 Pranoti Gopichand Shende~~		
46	~~5/17/202222:40:17~~			~~2 / 10 Pranu~~		
46	5/18/202215:29:00			5 / 10 Pratiksha R. Parteki	9	7
	~~7/7/2020 18:37:29~~	~~raut7445@gmail.com~~		~~4 / 10 Priyanka Dasharath Raut~~		
47	5/18/202215:14:37			5 / 10 Priyanka Ramesh deshmukh	2	4
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58	5/18/202215:24:11			5 / 10 Sakshi punjaram murodiya	5	5
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63	5/18/202215:24:26		5 / 10	Sheetal Rajendra Bhondve	3	4
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66	5/18/202218:18:00		6 / 10	Shivani prabhakar kharpuriya	8	7
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67	5/18/202215:20:34		10 / 10	Shruti Suresh Narnaware	8	9
	7/7/2020 19:50:29	shubhamsarode435@gmail.com	9 / 10	Shubham sarode		
68	5/18/202215:11:51		6 / 10	Surbhi sunil katare	3	5
69	5/18/202215:22:26		6 / 10	Tejas Arun Dhanuskar	10	8
70	5/18/202215:29:14		6 / 10	Tejaswini chandrashekhar hirudkar	4	5
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	7/7/2020 19:46:55	poonamkumbhare572@gmail.com	10 / 10	Tushar pandurang kumbhare		
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72	5/18/202215:18:31		3 / 10	Vaishali keshav balpande	3	3
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74	5/18/202215:20:12		7 / 10	Vishakha Ganpati Maske	6	7
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77	5/18/202215:22:26		6 / 10	Yash Omkar Yeole	10	8

B.Sc. Sem-6 2021-22 Unit Test-2 (Unit-2) 18/05/2022

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	~~6/12/2021 16:24:14~~	~~3 / 10~~	~~Abhishek Ashokrao Bawane~~	~~7249777375~~
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2	5/18/2022 16:30:15	3 / 10	Abhishek nandkishor bhalavi	7020408246
	~~6/12/2021 16:17:57~~	~~10 / 10~~	~~Abhishek Sukhadeo Shende~~	~~8379022409~~
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3	5/18/2022 16:41:40	9 / 10	Aishwarya Dinesh Metangale	9049243605
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6	5/18/2022 16:45:43	9 / 10	Anshita Umesh Khandait	9766326032
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	~~6/12/2021 16:33:49~~	~~6 / 10~~	~~Ashish yenurkar~~	~~9067406138~~
7	5/18/2022 16:41:25	9 / 10	Ashlesha Rajesh khante	9766784719
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8	5/18/2022 16:42:24	6 / 10	Ashwini kishor gakhare	8767692655
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10	5/18/2022 17:01:22	10 / 10	Bhumika Raju Raut	8530298247
11	5/18/2022 16:23:37	6 / 10	Chaitali Ganeshrao sawarkar	7507533136
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61	5/18/2022 16:32:03	5 / 10	satyam bhumbare	8180095866
62	5/18/2022 16:37:05	8 / 10	Sejal Devidas Rewatkar	8767399520
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64	5/18/2022 16:35:54	2 / 10	Shejal ghormade	8010191031
65	5/18/2022 16:27:42	4 / 10	Shital Khawshi	8605116073
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66	5/18/2022 17:56:42	8 / 10	Shivani prabhakar kharpuriya	9529443390
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	~~6/12/2021 16:22:03~~	~~7 / 10~~	~~SUSHAMA SITARAM CHARPE~~	9309592427
	~~6/12/2021 16:22:43~~	~~3 / 10~~	~~Sweta Jivanrao Bagde~~	7262087792
	~~6/12/2021 16:22:01~~	~~3 / 10~~	~~TANASHRI SUBHASHRAO SHEMBEKAR~~	9325788829
69	5/18/2022 16:32:14	10 / 10	Tejas Arun Dhanuskar	9689843553
70	5/18/2022 16:37:00	4 / 10	Tejaswini chandrashekhar hirudkar	8446776104
	~~6/12/2021 16:19:20~~	~~5 / 10~~	~~Timadevi arun bhagat~~	9373720119
	~~6/12/2021 16:24:56~~	~~4 / 10~~	~~Triveni chopde~~	9146727492
	~~6/12/2021 16:20:44~~	~~7 / 10~~	~~Trupti Gangadhar Raut~~	7378862924
71	5/18/2022 16:44:55	8 / 10	Tushar Bondare	8550962462
72	5/18/2022 16:23:04	3 / 10	Vaishali keshav balpande	7499695874
	~~6/12/2021 16:22:40~~	~~6 / 10~~	~~Vaishnavi Ramdas Borkar~~	9022786519
73	5/18/2022 16:35:14	8 / 10	Vaishnavi Shriramji Bokde	7820839773
	~~6/12/2021 16:25:44~~	~~1 / 10~~	~~Vaishnavi Sudamrao Bhange~~	8329758062
	~~6/16/2021 16:19:12~~	~~3 / 10~~	~~Vijaya Dnyaneshwar Lad~~	~~9359814232~~

74	5/18/2022 16:31:03	6 / 10	Vishakha Ganpati Maske	8600342753
~~—~~	~~6/12/2021 16:04:51~~	~~4 / 10~~	~~Vishakha purushottam Rokde~~	~~8605157731~~
75	5/18/2022 16:30:33	3 / 10	Vivek Diliprao Fuke	7666041536
76	5/18/2022 16:28:39	3 / 10	Yamini dhok	8483006867
~~—~~	~~6/12/2021 16:17:46~~	~~9 / 10~~	~~Yamini purushottam armarkar~~	~~7498835527~~
77	5/18/2022 16:31:51	10 / 10	Yash Omkar Yeole	9579217364
~~—~~	~~6/12/2021 16:23:43~~	~~3 / 10~~	~~Yogita Kolhe~~	~~8600159081~~

B.Sc. final (sem-VI) Unit Test (open Book)
Maths 1/Unit-1/14.03.2022

Attendance

S.N.	Name	Sign
	Mayuri K. Bodhale	Bodhale
2	Samiksha. S. Nimkar	Nimkar
3	AKanksha. S. Babulkar	A.S.Babulkar.
4	Divyani R Dehankar	Dehankar
5	Prachi R Charpe	
6	Pratiksha R. Parteki	Parteki
7	Tushar. G. Bondre	
8	Rushay. S. Mankar	Rmankar
9	MAYUR S. BAHATKAR	
10	Nakul R. Dhotarkar	
11	Prafull G. Bandre	Bandre
12	Chetan G. Chaurasiya	
13	ABHISHEK N. BHALAVI	A.N.Bhalavi
14	Sahil N. Kalambe	Kalambe.
15	Tejas A. Dharuskar	Dharuskar
16	Yash O. Ycole	
17	Gaurav D. Dakhole	Daule
18	Yamini D. Ohok	Dhok.
19	Surbhi. S. Katare	Surbhik
20	Kiran D. Vaidya	Vaidya
21	Sejal D. Rewatkar	Rewatkar
22	Pranjali D. Madankar	Dmadankar
23	Vishakha G. maske	Gmaske
24	Tejaswini C. Hirudkar	Thirudkar
25	Ashwini K Gakhare	Akakhare
26	Kiran N. More.	
27	Kiran S. kuthe	Kkuthe
28	Chaitali G. Sonwarkar	Gonwarkar
29	Rachi L. Mohajan	
30	Dnyaneshwari D Lawankar	Dlawankar

S.N.	Name	Sign
31	Punam Peinam O. Gotmare.	Opprakashg.
32	Shivani P. Kharpuriya.	Shivani
33	Kiran K. Zade	Kkzade
34	Payal L. Khode	Lkhode
35	Sunjan M. Raut	
36	Harshali A. Bavane	
37	Sunjan E. Yenurkar	
38	Kavita N. Kandi	Kandi
39	Sejal. S. Ghormade	Sghormade
40	Vaishnavi S. Bokde	VSbokde.
41	Nikita S. Rewatkar	Nsrewat
42	Aishwarya D. Metangale	Dmetangale
43	Krutika Prakash Dhote	Kpdhote
44	Prachi shankar Gotmare	Pshmare
45	Shruti Suresh Narnaware	SNarnaware
46	Bhumika. P. Raut	Raut
47	Roshani. P. Mangulkar	Rpm
48	Ashlesha. R. khante	Akhante
49	Rohini S. Gajbhiye	Rsgbhiye
50	samiksha B. Patil	Spatil.
51	Sheetal R. Bhondve	S.Bhondve
52	Gauri D. Nimbulkar	Gdnimbulkar

82) Kavita N. Kamdi Kamdi

Unit Test - I
B.Sc - III / Sem - VI
Paper - I
Summer - 2022

Name of students

1) Sahil N. Kalambe
2) Gaurav D. Dakhole
3) Tejas A. Dhanorkar
4) Yash . O. Yeole
5) Abhishek N. Bhalavi — A.N.Bhalavi
6) Chetan B. chaurasiya
7) Jayanta S. Bhoyar
8) Mayur S. Bahatkar
9) Nakul R. Dhatarkar
10) Prafull G. Bandre
11) Divyani R. Dehankar
12) Shejal S. Ghormade
13) Anshita V. Khandait
14) Aishwarya D. Metangale
15) Nikita D. Rewatkar
16) Kiran D. Vaidya
17) Pranjali D. Madankar
18) Sejal D. Rewatkar
19) Vishakha G. maske
20) Vaishnavi S. Bolde
21) Rohini S. Gajbhiye
22) Surbhi S. katare
23) Yamini O. Dhok
24) PRACHI S. GOTMARE
25) Ashlesha . R. khante
26) Bhumika . P. Raut
27) Shruti S. Narnaware
28) Roshani P. Mangulkar
29) Krutika P. Dhote
30) Pranali R. Sutone. — Rutone.
31) Vaishali k. Balpande — V. k. Balpande
32) Kavita N. kandi

33) Gunjan E. Yenorkar
34) Gunjan. M. Raut
35) Harshali A. Bawane
36) mayuri K. Bodhale
37) samiksha s. Nimkar
38) Aakansha Babulkar
39) Dnyaneshwari D Lawankar
40) payal L. Khode
41) Shivani P. Kharpuriya
42) Punam O. Gotmare
43) Rashmi A Gaikwad
44) Prachi R. Charpe.
45) Pratiksha R. Pacteki
46) Sakshi P. Murodiya
47) Ashwini K. Gakhare
48) Nivedita C Dongre
49) Tejaswini C. Hirudkar
50) Rasika V. Wankhde
51) Sakshi S. Charde
52) Shital P. Khawshi
53) Sheetal. R. Bhondve
54) samiksha B. Patil
55) Rachi L. Mahajan
56) Chaitali G. Sawarkar
57) Kunteshwari M. Nasre

Time Table

Nabira Mahavidyalaya katol

Department of Mathematics

M.Sc. (SEM-1) Unit Test –1 (2021-22)

Sr. No	DATE	TIME	SUBJECT
1	30/11/2021	9:35-9:55 am	Algebra-II
2	01/12/2021	2:00-2:20 pm	Real Analysis -II
3	02/12/2021	9:35-9:55 am	Topology-II
4	03/12/2021	11:35-11:55 pm	ODE
5	04/12/2021	10:35-10:55am	Integral Eqn

Time Table

Nabira Mahavidyalaya katol

Department of Mathematics

M.Sc.(SEM-1)Unit Test –2(2021-22)

Sr. No	DATE	TIME	SUBJECT
1	13/12/2021	9:30-9:55 am	Algebra-II
2	14/12/2021	2:00-2:25 pm	Real Analysis -II
3	15/12/2021	9:30-9:55 am	Topology-II
4	16/12/2021	12:00-12:25 pm	ODE
5	17/12/2021	10:30-10:55am	Integral Eqn

Time Table

Nabira Mahavidyalaya katol

Department of Mathematics

M.Sc. (SEM-1) , Unit Test –3 (2021-22)

Sr. No	DATE	TIME	SUBJECT
1	20/12/2021	9:30-9:55 am	Algebra-II
2	21/12/2021	2:00-2:25 pm	Real Analysis -II
3	22/12/2021	9:30-9:55 am	Topology-II
4	23/12/2021	12:00-12:25 pm	ODE
5	24/12/2021	10:30-10:55am	Integral Eqn

NABIRA MAHAVIDYALAYA ,KATOL

DEPARTMENT OF MATHEMATICS

M.Sc SEM-IV (CBCS) session-(2021-22)

UNIT TEST -1 (offline exam)

TIME : 11:00 am - 12:00 P.M

Sr No	Day	Date	subject
1	Friday	08/04/2022	ANA
2	Saturday	09/04/2022	PDE
3	Monday	11/04/2022	OR-II
4	Tuesday	12/04/2022	Cosmology
5	wednesday	13/04/2022	Dynamic system

NOTE: 1. The students have to compulsorily attend offline Examination .

2. Students are required to reach their department of Mathematics.

(A.V. T. Katre)

TIME TABLE - (UNIT TEST - II)

Nabira Mahavidyalaya Katol

DEPARTMENT OF MATHEMATICS

M.Sc. SEM - IV (2021 - 22)

Sr no	DATE	TIME	SUBJECT
1	25/04/2022	11:00-12:00 pm	PDE
2	26/04/2022	11:00-12:00 pm	COSMO
3	27/04/2022	11:00-12:00 pm	ANA
4	28/04/2022	11:00-12:00 pm	DS
5	29/04/2022	11:00-12:00 pm	OR-II

HOD MATHS

TIME TABLE
Nabira Mahavidyalaya Katol
DEPARTMENT OF MATHEMATICS
M.Sc.SEM-IV(2021-22) (UNIT TEST- III)

Sr no	DATE	TIME	SUBJECT
1	18/05/2020	11:30-12:30 pm	Partial Differential Eqn
2	19/05/2020	11:30-12:30 pm	Advanced Numeric Analysis
3	20/05/2020	11:30-12:30 pm	Cosmology
4	21/05/2020	11:30-12:30 pm	Operational Research
5	23/02/2020	11:30-12:30 pm	Dynamical System

HOD Maths

TIME TABLE
Nabira Mahavidyalaya Katol
DEPARTMENT OF MATHEMATICS
M.Sc. SEM - II (2021-22) (UNIT TEST -II)

Sr no	DATE	TIME	SUBJECT
1	17/05/2022	10:00-11:00 am	Algebra -II
2	19/05/2022	11:00-12:00 pm	Differential Geometry
3	21/05/2022	11:00-12:00 pm	Classical Mechanics
4	24/05/2022	12:00-01:00 pm	Real Analysis-II
5	26/05/2022	10:00-11:00 am	Topology-II

HOD Maths

Nabira Mahavidyalaya Katol

Department Of Mathematics , MSc sem -II (2021-22).

Attendence Sheet :- Unit Test - 1

Sr No	Name of students	Paper -I A|S - II	Paper II TOPO-II	Paper III R|A - II	Paper IV D/G	PaperV C/M
1.	Achal Gawande					
2.	Apeksha Warkhade					
3.	Ashwini Behaniya					
4.	Azar Qureshi					
5.	Bhagyashri Band					
6.	Bhumika raut					
~~7.~~	~~Jayashree Bandare~~					
8.	Khushali Bokade					
9.	Nikita Datir					
10.	Poonam Wakode					
11.	Pratiksha Banait					
12.	Priyanka Jadhao					
13.	Samiksha Radake					
14.	Shubhangi Mahore					
15.	Shweta Bhelkar					
16.	Srushti Maski					
17.	Trupti Raut					
18.	Vaibhavi Chafle					
19	Mallika Patil					

Nabira Mahavidyalaya Katol
Department Of Mathematics ,
M.Sc. Sem - II (2021-22).
Attendence Sheet, Unit test -2

17/5/22

Sr No	Name of students	Paper -I ALG-II	Paper II RA-II	PaperIII TOPO-II	Paper IV D/G	PaperV C/M
1.	Achal Gawande					
2.	ApekshaWarkhade					
3.	Ashwini Behaniya					
4.	Azar Qureshi					
5.	Bhagyashri Band					
6.	Bhumika raut					
7.	Khushali Bokade					
8.	Nikita Datir					
9.	Poonam Wakode					
10.	Pratiksha Banait					
11.	Priyanka Jadhao					
12.	Samiksha Radake					
13.	ShubhangiMahore					
14.	Shweta Bhelkar					
15.	Srushti Maski					
16.	Trupti Raut					
17.	Vaibhavi Chafle					
18.	Mallika Patil					

Nabira Mahavidyalaya Katol
Department Of Mathematics,
M.Sc. Sem - II (2021-22).
Attendance Sheet, Unit test -3

Sr No	Name of students	Paper -I ALG-II	Paper II RA-II	PaperIII TOPO-II	Paper IV D/G	PaperV C/M
1.	Achal Gawande	Achl	Achl	Achl	Achl	Achl
2.	ApekshaWarkhade	A.B.Warkade	A.B.Warkade	A.B.Warkade	A.B.Warkade	A.B.Warkade
3.	Ashwini Behaniya	A.Behaniya	A.Behaniya	A.Behaniya	A.Behaniya	A.Behaniya
4.	Azar Qureshi	Azhar.	Azhar.	Azhar.	Azhar.	Azhar.
5.	Bhagyashri Band	Bhagyashri	Bhagyashri	Bhagyashri	Bhagyashri	Bhagyashri
6.	Bhumika raut	Raut	Raut	Raut	Raut	Raut
7.	Khushali Bokade	KBokde	KBokde	KBokde	KBokde	KBokde
8.	Nikita Datir	N.Datir	N.Datir	N.Datir	N.Datir	N.Datir
9.	Poonam Wakode	Pwakode	Pwakode	Pwakode	Pwakode	Pwakode
10.	Pratiksha Banait	PBanait	PBanait	PBanait	PBanait	PBanait
11.	Priyanka Jadhao	P.V.Jadhao	P.V.Jadhao	P.V.Jadhao	P.V.Jadhao	P.V.Jadhao
12.	Samiksha Radake	SRadke	SRadke	SRadke	SRadke	SRadke
13.	ShubhangiMahore	SMahore	SMahore	SMahore	SMahore	SMahore
14.	Shweta Bhelkar	S.P.Bhelkar	S.P.Bhelkar	S.P.Bhelkar	S.P.Bhelkar	S.P.Bhelkar
15.	Srushti Maski	Smaski	Smaski	Smaski	Smaski	Smaski
16.	Trupti Raut	TRaut	TRaut	TRaut	TRaut	TRaut
17.	Vaibhavi Chafle					
18.	Mallika Patil	Mpatil	Mpatil	Mpatil	Mpatil	Mpatil

Nabira Mahavidyalaya Katol

Department Of Mathematics , MSc sem - 4 (2021 - 22).

Attendence Sheet :- Unit Test - I

09/04/22

Sr no	Name of students	Paper -I DS	Paper -II PDE	Paper -III NA	Paper -IV COS	Paper -V OR-II
1.	Aniket R. Maski					
2.	Anjali R. Koche					
3.	Anurag P. Barde					
4.	Astha C. Mune					
5.	Astha D. Thakur					
6.	Babita Bhelkar					
7.	Chanchal Suhagpure					
8.	Chetan D.Goswami					
9.	Diksha R.Kapgate					
10.	Harsha P.Waradhe					
11.	Kajal Dharne					
12.	Kalyani D Madankar					
13.	Kalyani S. Kumeriya					
14.	Kuldeep Deshmukh					
15.	Leena M .Mohatkar					
16.	Madhuri D Raut					
17.	Pallavi V Khune					
18.	Pratiksha Vairagade					
19.	Rajnee R.Charde					
20.	Ritesh V.Dhawade					
21.	Savita S. Sawarkar					
22.	Tanuja P. Sonare					
23.	Tejaswini Harne					
24.	Ujwala D.Kothe					
25.	Vinayak N. Jichkar					
26.	Vishakha Kumbhare					
27.	diksh Bhyake					

Nabira Mahavidyalaya Katol

Department Of Mathematics , MSc sem - 4 (2021 - 22) .

Attendence Sheet :- Unit Test - 2 .

Sr No	Name of students	Paper -I DS	Paper -II PDE	Paper-III COSMO	Paper -IV ANA	Paper -V OR-II
1.	Aniket R. Maski					
2.	Anjali R. Koche					
3.	Anurag P. Barde					
4.	Astha C. Mune					
5.	Astha D. Thakur					
6.	Babita Bhelkar					
7.	Chanchal Suhagpure					
8.	Chetan D.Goswami					
9.	Diksha Bhurke					
10.	Diksha R.Kapgate					
11.	Harsha P.Waradhe					
12.	Kajal Dharne					
13.	Kalyani D Madankar					
14.	Kalyani S. Kumeriya					
15.	Kuldeep Deshmukh					
16.	Leena M .Mohatkar					
17.	Madhuri D Raut					
18.	Pallavi V Khune					
19.	Pratiksha Vairagade					
20.	Rajnee R.Charde					
21.	Ritesh V.Dhawade					
22.	Savita S. Sawarkar					
23.	Tanuja P. Sonare					
24.	Tejaswini Harne					
25.	Ujwala D.Kothe					
26.	Vinayak N. Jichkar					
27.	Vishakha Kumbhare					

Nabira Mahavidyalaya Katol

Department Of Mathematics , MSc sem - 4 (2021 - 22) .

Attendence Sheet :- Unit Test - 3.

Sr No	Name of students	Paper -I DS	Paper -II PDE	Paper-III COSMO	Paper -IV ANA	Paper -V OR-II
1.	Aniket R. Maski					
2.	Anjali R. Koche					
3.	Anurag P. Barde	ApBarde	ApBarde	ApBarde	ApBarde	
4.	Astha C. Mune	Amune	Amune	Amune	Amune	Amune
5.	Astha D. Thakur					
6.	Babita Bhelkar	B.K.Bhelkar	B.K.Bhelkar	B.K.Bhelkar	B.K.Bhelkar	B.K.Bhelkar
7.	Chanchal Suhagpure					
8.	Chetan D.Goswami	Goswami	Goswami	Goswami	Goswami	Goswami
9.	Diksha Bhurke	Dbhurke	Dbhurke	Dbhurke		Dbhurke
10.	Diksha R.Kapgate	DRK	DRK	DRK	DRK	DRK
11.	Harsha P.Waradhe	Harshade	Harshade	Harshade	Harshade	Harshade
12.	Kajal Dharne					
13.	Kalyani D Madankar	K.D.Madankar	K.D.Madankar	K.D.Madankar	K.D.Madankar	K.D.Madankar
14.	Kalyani S. Kumeriya	AA	AA	AA	AA	AA
15.	Kuldeep Deshmukh		KADeshmukh			
16.	Leena M .Mohatkar	Lmohatkar	Lmohatkar	Lmohatkar	Lmohatkar	Lmohatkar
17.	Madhuri D Raut					
18.	Pallavi V Khune		Pallavi	Pallavi	Pallavi	Pallavi
19.	Pratiksha Vairagade					
20.	Rajnee R.Charde	RPharde	RPharde	RPharde	RPharde	RPharde
21.	Ritesh V.Dhawade	Rhawade	Rhawade	Rhawade	Rhawade	Rhawade
22.	Savita S. Sawarkar		Ssawkar		Ssawkar	
23.	Tanuja P. Sonare					
24.	Tejaswini Harne	THarne	THarne	THarne	THarne	THarne
25.	Ujwala D.Kothe	Ukothe	Ukothe	Ukothe	Ukothe	Ukothe
26.	Vinayak N. Jichkar	Vjichkar	Vjichkar	Vjichkar	Vjichkar	Vjichkar
27.	Vishakha Kumbhare	VAkumbhare	VAkumbhare	VAkumbhare	VAkumbhare	VAkumbhare

Nabira Mahavidyalaya Katol
Department Of Mathematics , MSc sem -I (2021-22).
Internal marks winter-2021.(Regular)

Roll No	Sr No	Name of students	Paper -I ALG-II	Paper II RA-II	Paper III TOPO-II	Paper IV ODE	PaperV Integral
			PSG	PRL (NRK)	PSG	MPP	PRL
575030	1.	Achal Gawande	18	23 ✓	20 ✓	19 ✓	18 ✓
5031	2.	Apeksha Warkhade	18	18 ✓	21 ✓	19 ✓	16 ✓
5032	3.	Ashwini Behaniya	16	23 ✓	19 ✓	19 ✓	18 ✓
5033	4.	Azar Qureshi	17	18 ✓	17 ✓	18 ✓	21 ✓
5034	5.	Bhagyashri Band	22	19 ✓	20 ✓	17 ✓	19 ✓
5035	6.	Bhumika raut	20	22 ✓	20 ✓	20 ✓	21 ✓
5036	7.	Khushali Bokade	19	22 ✓	22 ✓	23 ✓	22 ✓
5037	8.	Nikita Datir	18	23 ✓	23 ✓	18 ✓	23 ✓
5038	9.	Poonam Wakode	16	18 ✓	16 ✓	17 ✓	16 ✓
5039	10.	Pratiksha Banait	17	17 ✓	22 ✓	18 ✓	17 ✓
5040	11.	Priyanka Jadhao	18	18 ✓	20 ✓	20 ✓	17 ✓
5041	12.	Samiksha Radake	21	20 ✓	22 ✓	20 ✓	20 ✓
5042	13.	Shubhangi Mahore	21	23 ✓	23 ✓	19 ✓	22 ✓
5043	14.	Shweta Bhelkar	21	21 ✓	23 ✓	19 ✓	22 ✓
5044	15.	Srushti Maski	16	16 ✓	17 ✓	16 ✓	16 ✓
5045	16.	Trupti Raut	16	19 ✓	18 ✓	17 ✓	18 ✓
5046	17.	Vaibhavi Chafle	17	18 ✓	19 ✓	19 ✓	20 ✓

(N. T. Katre)

Nabira Mahavidyalaya Katol
Department Of Mathematics,
M.Sc. Sem - II (2021-22).

Final Mark

Internal Marks **Attendance Sheet, Unit test -3**

	Sr No	Name of students	PSG Paper -I ALG-II	MPP Paper II RA-II	PSG PaperIII TOPO-II	PRL Paper IV D/G	PRL PaperV C/M
549078	1.	Achal Gawande	20	22	20	18	20
549079	2.	ApekshaWarkhade	20	21	21	20	20
549080	3.	Ashwini Behaniya	15	22	20	20	19
549081	4.	Azar Qureshi	16	19	17	15	16
549082	5.	Bhagyashri Band	20	23	21	21	20
549083	6.	Bhumika raut	17	22	17	17	20
549084	7.	Khushali Bokade	18	21	17	19	19
549085	8.	Nikita Datir	23	23	21	22	23
549086	9.	Poonam Wakode	15	20	18	15	15
549087	10.	Pratiksha Banait	15	21	15	16	15
549088	11.	Priyanka Jadhao	15	15	15	15	15
549089	12.	Samiksha Radake	23	23	20	21	20
549090	13.	ShubhangiMahore	22	22	22	22	22
549091	14.	Shweta Bhelkar	20	23	20	21	22
549092	15.	Srushti Maski	15	17	15	15	15
549093	16.	Trupti Raut	19	21	20	20	20
549094	17.	Vaibhavi Chafle	16	15	18	15	17
	18.	Mallika Patil	20	20	18	18	18

(N. T. Katre)

Nabira Mahavidyalaya, Katol

Department Of Mathematics,

M.Sc. Sem - III (2021-22).

Internal Assesment Marks based on unit Test record

Sr.no	Name of students	CA	FA	MM	GR	OR-I
1.	Aniket R. Maski	18	17	15	17	15
2.	Anjali R. Koche	21	22	20	18	17
3.	Anurag P. Barde	21	23	20	19	21
4.	Astha C. Mune	24	23	21	20	19
5.	Astha D. Thakur	21	22	18	19	17
6.	Babita Bhelkar	22	22	18	21	19
7.	Chanchal Suhagpure	17	18	15	17	15
8.	Chetan D.Goswami	24	23	20	22	21
9.	Diksha Bhurke	15	15	17	18	17
10.	Diksha R.Kapgate	24	23	21	22	20
11.	Harsha P.Warhadhe	20	23	17	18	15
12.	Kajal Dharne	20	23	19	22	21
13.	Kalyani Madankar	21	21	20	18	17
14.	Kalyani S. Kumeriya	19	20	22	19	19
15.	Kuldeep Deshmukh	21	23	18	17	17
16.	Leena M .Mohatkar	20	22	21	20	20
17.	Madhuri D Raut	19	21	19	17	17
18.	Pallavi V Khune	20	21	19	17	17
19.	Pratiksha Vairagade	20	21	17	18	19
20.	Rajnee R.Charde	20	18	15	17	19
21.	Ritesh V.Dhawade	23	23	22	21	19
22.	Savita S. Sawarkar	20	23	21	18	20
23.	Tanuja P. Sonare	22	23	22	21	19
24.	Tejaswini Harne	21	20	18	18	15
25.	Ujwala D.Kothe	21	21	18	18	17
26.	Vinayak N. Jichkar	17	18	15	15	18
27.	Vishakha Kumbhare	21	22	22	20	20

M.Sc. Sem- 4 (Maths), Session : 2021-22
Internal Assesment Marks.

Sr.no	Name of students	P - 1 DS	P-2 PDE	P - 3 COSM	P - 4 ANM	P - 5 OR-II
1.	Aniket R. Maski	17	17	17	18	15
2.	Anjali R. Koche	19	18	19	20	19
3.	Anurag P. Barde	21	21	22	21	23
4.	Astha C. Mune	21	20	22	23	23
5.	Astha D. Thakur	20	19	20	21	21
6.	Babita Bhelkar	19	21	21	21	22
7.	ChanchalSuhagpure	12	17	17	16	16
8.	Chetan D.Goswami	22	23	22	23	22
9.	Diksha Bhurke	21	18	19	18	18
10.	Diksha R.Kapgate	20	23	22	22	23
11.	Harsha P.Warhadhe	23	22	20	20	22
12.	Kajal Dharne	18	21	19	18	20
13.	Kalyani Madankar	19	18	19	19	21
14.	Kalyani S. Kumeriya	20	19	18	20	18
15.	Kuldeep Deshmukh	20	18	17	21	19
16.	Leena M .Mohatkar	20	21	23	21	23
17.	Madhuri D Raut	17	17	16	17	18
18.	Pallavi V Khune	20	18	19	23	21
19.	Pratiksha Vairagade	22	20	20	20	21
20.	Rajnee R.Charde	19	17	18	17	19
21.	Ritesh V.Dhawade	23	18	19	21	22
22.	Savita S. Sawarkar	19	19	21	22	20
23.	Tanuja P. Sonare	19	19	19	21	18
24.	Tejaswini Harne	22	21	19	22	22
25.	Ujwala D.Kothe	20	19	21	20	21
26.	Vinayak N. Jichkar	21	17	18	20	19
27.	Vishakha Kumbhare	20	23	23	21	22

PSG PRL PRL PSG MPP

(N.T. Katre)