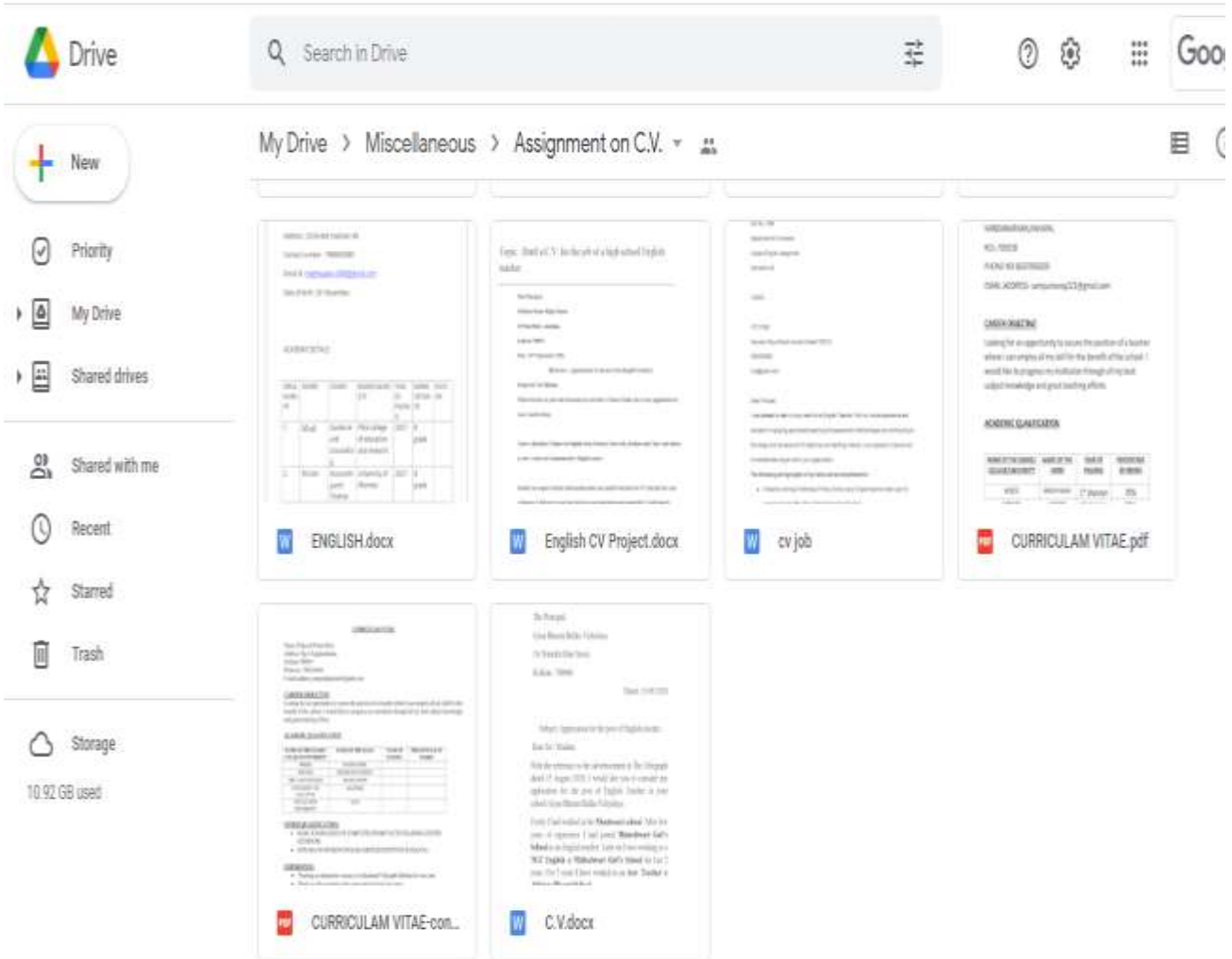


2.5.2. Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

i. Continuous Internal Assessment (CIE) by the teachers (online and offline): through assignments and class-tests:

Online mode:



Drive Search in Drive

My Drive > Miscellaneous > Assignment on claim letter

Files Name ↓

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mail.google.com

Instructions Student work

Return 20 points

All students

Sort by status

Status	Name	Score	Submission
Turned in	Abhinav Kumar Jha	12	Draft
Turned in	Anchal Singh	18	Draft
Turned in	Bikash Prasad	17	Draft
Turned in	Bikash Sah	15	Draft
Turned in	Dimpi Gupta	18.5	Draft

Class Test I

13 Turned in | 10 Assigned

Turned in

2 attachments Turned in	2 attachments Turned in	2 attachments Turned in	2 attachments Turned in

Class tests through offline mode:

Sem 4 Class test-SD MADAM

Topic: Plasmid-CC8-Unit 2

F.M.= 15

Time= 45 mins

Date: 16th April 2022

- Q1. State true or false. Give reasons for your answer. [2x3]
- Two plasmids who can co-exist together belong to the same Inc group.
 - YEP plasmids are very low copy number plasmids.
 - The plasmids RP4 and RSF1010 are narrow host range plasmids.
- Q2. Describe the binary-vector strategy of Ti plasmid. [3]
- Q3. Define Col plasmids and Degradative plasmids with example. [2+2]
- Q4. Define iterons and its importance. [1+1]

T.H.K. Jain College

Dept. of Microbiology

Semester – IV

Class Test: CC-10TH [NH]

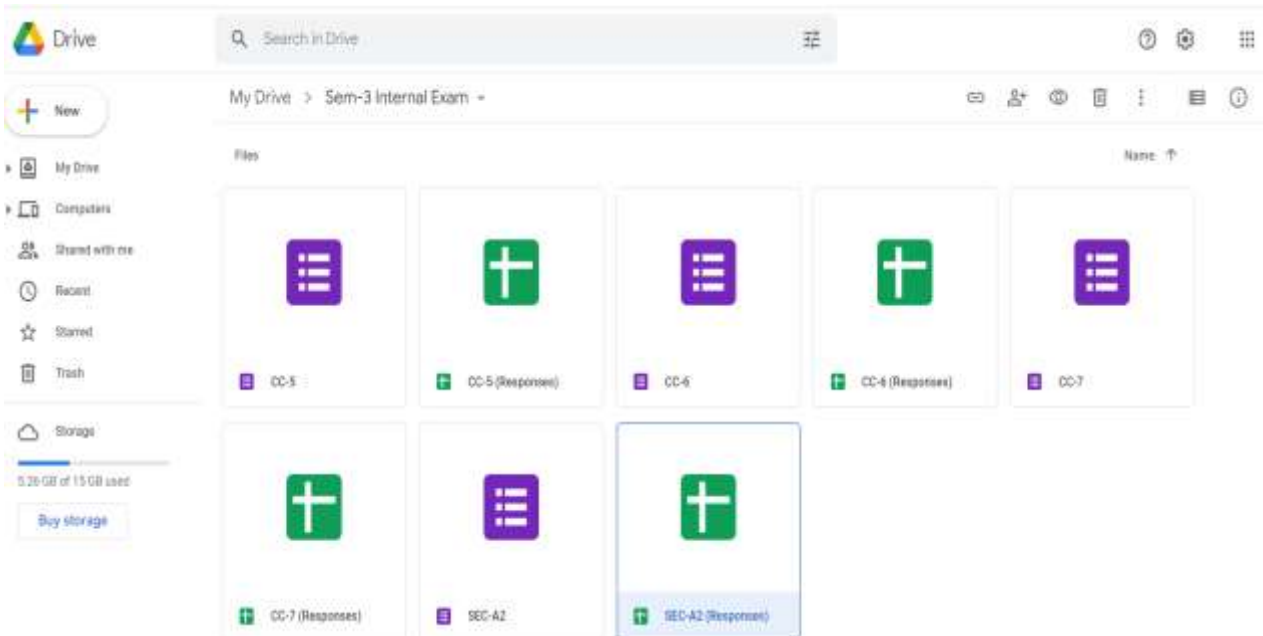
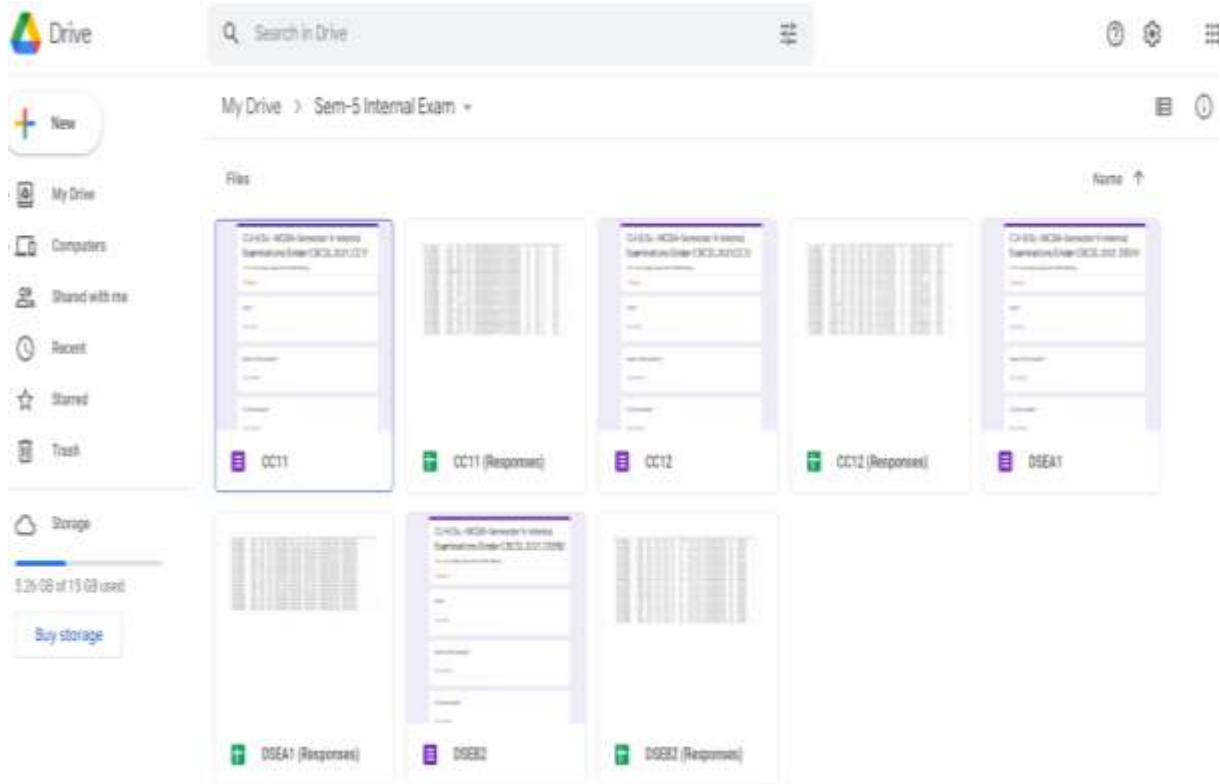
F.M.:- 20

Time: 45 min

- Explain how linkers and adaptors help in the cloning of inserts in any vector. [3]
- What is “alpha-complementation” and how it helps to identify a true recombinant clone. [3]
OR How is blue white screening helpful in identifying recombinant cell.
- Which type of restriction endonucleases are used in RDT and why? [2]
- Blunt end ligations are difficult to perform. How can you convert blunt ends of an insert to sticky ends? [3]
- Name the two antibiotic resistance genes present in pBR322 vector. [1]
- What are isoschizomers and neoschizomers? Give examples. [3]
- Give an example of restriction enzyme that produces— (i) 5' overhang and (ii) 3' overhang. Mention the overhangs they generate. [3]
- Name the plasmids from where we have constructed pBR322. [2]

ii. Internal Exam (IE) –

Online mode question paper and responses on google drive: shared with students on the day of exam:



Internal exam question paper sent to the students through email:

<input type="checkbox"/>	To: palbaridhi2. ...	Google form link for SECA2-Internal Exam - Dear Students, Please find the Google form link below for SEC-A2 Internal Exam, 20...	Jan 4
<input type="checkbox"/>	To: amishabothr. ...	Google form link for DSE B2 Internal Exam - Dear Students, Please find the Google form link below for DSEB2 Internal Exam, 202...	Jan 4
<input type="checkbox"/>	To: palbaridhi2. ... 2	Google form link for CCT-Internal Exam - ----- Forwarded message ----- From: Microbiology Exam <thimicroexam21@...>	Jan 4
<input type="checkbox"/>	To: amishabothr. ...	Link for DSEA1 IE - https://forms.gle/2qjyTsoofkVvKdSS7	Jan 4
<input type="checkbox"/>	To: amishabothr. ...	Google form link for DSEA1 Internal examination - Dear Students, Please find the Google form link below for DSEA1 Internal Exam...	Jan 4
<input type="checkbox"/>	To: amishabothr. ...	(no subject) - https://forms.gle/bsL498yw75MeK8Wx8	Jan 3
<input type="checkbox"/>	To: amishabothr. ... 2	(no subject) - https://forms.gle/bsL498yw75MeK8Wx8 On Mon, Jan 3, 2022 at 2:28 PM Microbiology Exam <thimicroexam21@g...>	Jan 3
<input type="checkbox"/>	To: amishabothr. ...	Google form link for CC12-Internal Exam - Dear Students, Please find the Google form link below for CC-12 Internal Exam, 2021. ...	Jan 3
<input type="checkbox"/>	To: palbaridhi2. ...	Google form link for CC6-Internal Exam - Dear Students, Please find the Google form link below for CC-5 Internal Exams, 2021. h...	Jan 3
<input type="checkbox"/>	To: sudipa2210	Google form link for CC5-Internal Exam - Dear Students, Please find the Google form link below for CC-5 Internal Exams, 2021. h...	Jan 3
<input type="checkbox"/>	To: amishabothr. ...	Google form link for CCT1 - Dear Students, Please find the google form link of the course CCT1 - https://forms.gle/vwTX25mRkciF...	Jan 3
<input type="checkbox"/>	To: palbaridhi2. ...	Google form link for CC5-Internal Exam - Dear Students, Please find the Google form link below for CC-5 Internal Exams, 2021. h...	Jan 3

iii. Internal exam in Offline Mode: Internal Examination Question paper



THK Jain College
Internal Assessment
B.A./B.Sc. Semester IV, 2022 (Under CBCS)
Subject – CC9 (MCBA)

F.M. 20

Time: 1 hr

Answer any ten questions from the following:

[2x10]

1. Describe the adaptation mechanism of thermophilic bacteria. Give an example.
2. Write the "Winogradsky classification" of soil bacteria with examples.
3. List the physical properties of the soil (minimum two).
4. What is the function of leghemoglobin?
5. Explain the two components of ecosystem with examples.
6. What is typical coliform?
7. Give one example of bioluminescence.
8. Define composting.
9. Name two methods of secondary treatment of waste water.
10. How many coliforms are needed for the gas production in Durham's tube?
11. What is predation?
12. Write down two characters of sewage.
13. Give two examples of biosurfactants.
14. Define nitrification.



THK Jain College
Internal Assessment
B.A./B.Sc. Semester VI, 2022 (Under CBCS)
Subject – DSEA-3 (MCBA)

F.M.- 20

Time: 1 hr.

Answer any ten questions from the following-

[2X10]

1. Define patho-toxin.
2. What is meant by disease pyramid?
3. What is 'honey-dew' stage?
4. Mention the names of the causative agents of the following plant diseases:
 - i. Loose smut of wheat
 - ii. Wilt of tomato
5. What is gene for gene hypothesis? Who proposed it?
6. What are the effects of pathogens on host's photosynthesis?
7. Which virus causes Papaya ring spot disease? How this pathogen is transmitted?
8. Mention one biological control method of Crown-gall disease.
9. Write two symptoms of coconut cadang – cadang disease.
10. What is acervulus? Where is it found?
11. What is crop rotation?
12. Name one trap plant.
13. Name two antibiotics to control plant disease.
14. Write two differences between Rice Tungro Bacilliform Virus (RTBV) and Rice Tungro Spherical Virus (RTSV).
15. What is Chlorosis? Give one example of plant disease where chlorosis occurs.

Question papers and Instructions related to Internal exam and Semester-end examination uploaded on college website:

The screenshot shows a web browser window displaying the THK Jain College website. The page is titled "INSTRUCTIONS & GUIDELINES" and is organized into sections for different programs:

- B.Com.:**
 - Instructions for candidates of B.Com (Honours & General) Odd Semester (Under CBCS) and Part I/Part II Examinations, 2021
 - Instructions for IT Practical Examination, 2021 for candidates of B.Com (Honours & General)
- B.A./B.Sc.:**
 - Instructions for candidates of BA/B.Sc. Semester 3 and 5 (Hons. & Gen), Exam 2021
- BBA:**
 - Instructions for candidates of BBA (H) Semester (3 and 5), End Semester (Odd), Examination, 2021

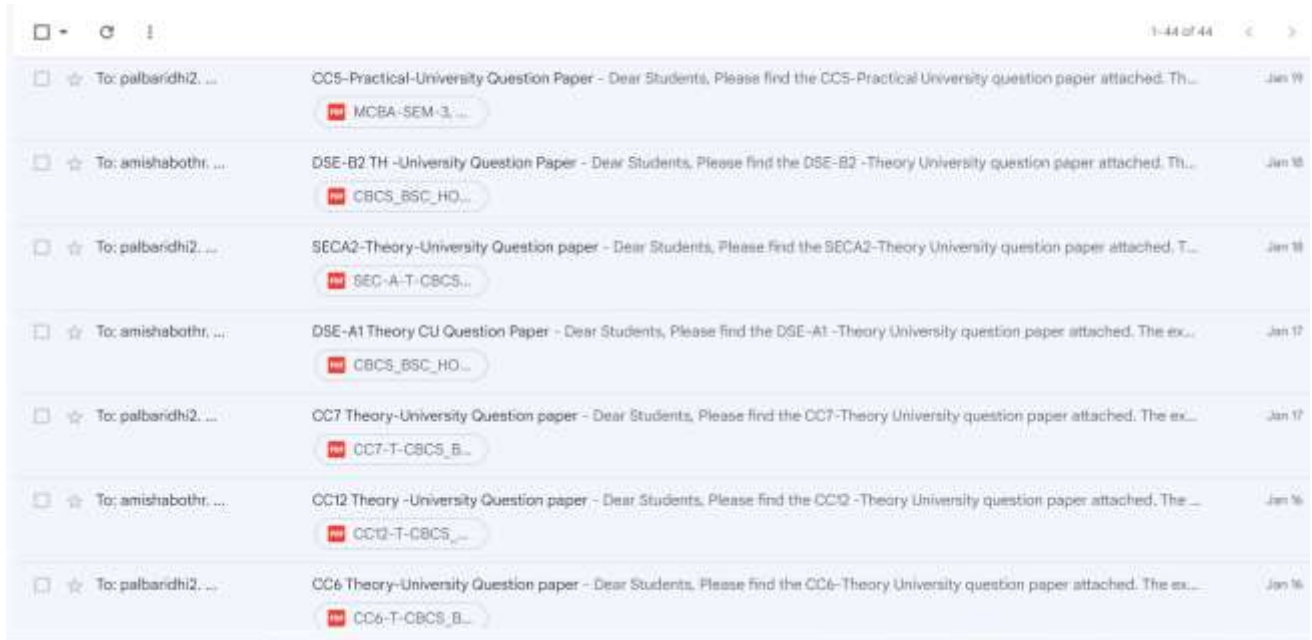
On the right side of the page, there is a "Question Papers" section with the following links:

- <https://www.cug20.in>
- <https://www.cullinary.ac.in>
- [B.A. / B.Sc. Question Papers](#)
- [B.Com. / BBA Question Papers](#)
- [IT Practical Papers](#)
- [Instructions & Guidelines](#)

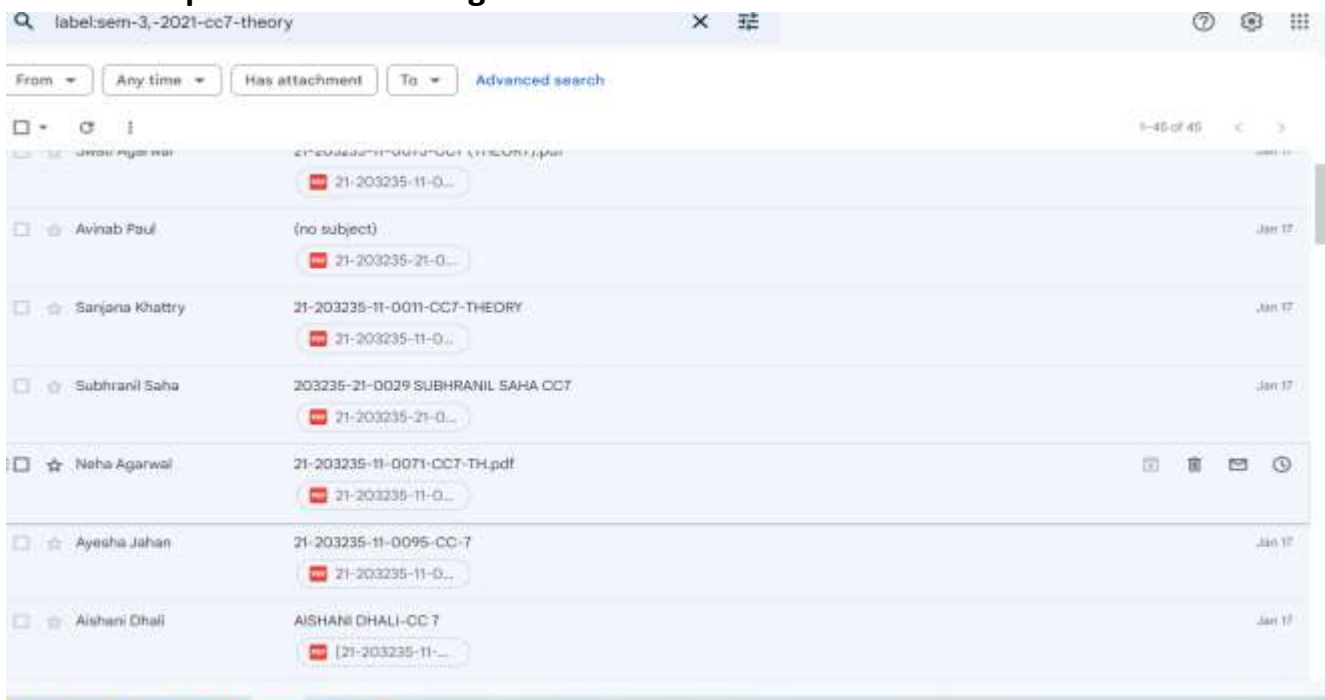
The browser's taskbar at the bottom shows the system date and time as 11:17 on 13-02-2022, and the temperature is 19°C.

iv. End-semester examination -online mode:

Question sent to the students through email:



Answer scripts received through email:



Students give Offline end-semester exam in the allotted center (away-center exam)