

P.G. Department of Microbiology

M. Sc. Semester-III (2021-2022)

Microbiology Paper I

Name of Teacher –Dr. Manpreet Kaur

Sr No.	Name of Student	Seminar Topic
1.	Bhavika T. Ranpura	Initiation-Priming in E.coli and Eukaryotes
2.	Dhanshree D. Dafare	Holoenzyme and processivity of replication
3.	Khan Huma Muzim	Direct reversal of DNA damage
4.	Kanchan D. Selukar	Base excision repair by nucleotide excision
5.	Manali S. Kakde	Rec BCD
6.	Neha A. Mate	Gene conversion
7.	Nidhi R. Gour	Prokaryotic and eukaryotic transcription process,
8.	Nikita N. Lohkare	RNA editing
9.	Nischal S. Deshbhratar	Lac operons
10.	Pooja S. Pawar	Arabino operons
11.	Pranali K. Mendhe	Trp operons
12.	Pranali S. Meshram	Chromatin remodeling
13.	Purva V. Madankar	Gene mapping in bacteria by conjugation
14.	Rashmi M. Dhande	Deletion mapping
15.	Sangharsh P. Khonde	Complementation
16.	Sayami D. Patrikar	P elements
17.	Shibani A. Sahare	Retroposons

18.	Shruti R. Nikose	Transformation
19.	Shubhangi S. Jagtap	Transduction
20.	Snehal G. Choudhari	Chromatin remodeling
21.	Sonal D. Tandekar	Initiation-Priming in E.coli and Eukaryotes
22.	Suvarna D. Tekade	Holoenzyme and processivity of replication
23.	Trupti S. Harinkhede	Direct reversal of DNA damage
24.	Vaishnavi R. Mewade	Base excision repair by nucleotide excision
25.	Vishakha P. Chaudhary	Rec BCD

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Microbiology Paper II

Name of Teacher –Mrs. Madhuri Walvekar

Sr No.	Name of Student	Seminar Topic
1.	Bhavika T. Ranpura	DNA cloning
2.	Dhanshree D. Dafare	Restriction enzymes
3.	Khan Huma Muzim	Cloning vectors
4.	Kanchan D. Selukar	Genomic library
5.	Manali S. Kakde	cDNA library and chromosomal libraries
6.	Neha A. Mate	PCR
7.	Nidhi R. Gour	RT-PCR
8.	Nikita N. Lohkare	DNA sequencing dideoxy and pyrosequencing
9.	Nischal S. Deshbhratar	DNA fingerprinting
10.	Pooja S. Pawar	S1 Mapping
11.	Pranali K. Mendhe	Dnase footprinting
12.	Pranali S. Meshram	DMS footprinting
13.	Purva V. Madankar	Nuclear run on transcription
14.	Rashmi M. Dhande	Camouflage Mechanism in Sea Animals
15.	Sangharsh P. Khonde	Reporter gene transcription

16.	Sayami D. Patrikar	Transformation and immortalization
17.	Shibani A. Sahare	Antibiotics adjuvants For Combating Antimicrobial Resistance
18.	Shruti R. Nikose	Embryonal stem cell
19.	Shubhangi S. Jagtap	Multipotent stem cells
20.	Snehal G. Choudhari	Tissue plasminogen activator
21.	Sonal D. Tandekar	DNA cloning
22.	Suvarna D. Tekade	Restriction enzymes
23.	Trupti S. Harinkhede	Cloning vectors
24.	Vaishnavi R. Mewade	Genomic library
25.	Vishakha P. Chaudhary	cDNA library and chromosomal libraries



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Microbiology Paper III

Name of Teacher –Ms. Nupur Deshmukh

Sr No.	Name of Student	Seminar Topic
1.	Bhavika T. Ranpura	Evolution of Earth and early life forms
2.	Dhanshree D. Dafare	RNA world
3.	Khan Huma Muzim	Energy and carbon metabolism
4.	Kanchan D. Selukar	Ribosomal RNAsequencing
5.	Manali S. Kakde	Methanogens
6.	Neha A. Mate	Heat stable biomolecules and extremophiles
7.	Nidhi R. Gour	Free living N ₂ fixing bacteria
8.	Nikita N. Lohkare	Purple phototrophicbacteria
9.	Nischal S. Deshbhratar	Nitrifyingbacteria
10.	Pooja S. Pawar	Cyanobacteria
11.	Pranali K. Mendhe	Green Sulfur Bacteria
12.	Pranali S. Meshram	Green non –sulfur bacteria
13.	Purva V. Madankar	Branching Hyperthermophiles
14.	Rashmi M. Dhande	Thermotoga and Aquifex
15.	Sangharsh P. Khonde	Nitrospora and Deferribacter

16.	Sayami D. Patrikar	Sulphur and iron oxidizing bacteria
17.	Shibani A. Sahare	Sulphate and sulphur reducing bacteria
18.	Shruti R. Nikose	Free living N ₂ fixing bacteria
19.	Shubhangi S. Jagtap	Origin of Eukaryotes
20.	Snehal G. Choudhari	Nanoarchaeum
21.	Sonal D. Tandekar	Evolution of Earth and early life forms
22.	Suvarna D. Tekade	RNA world
23.	Trupti S. Harinkhede	Energy and carbon metabolism
24.	Vaishnavi R. Mewade	Ribosomal RNA sequencing
25.	Vishakha P. Chaudhary	Methanogens



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Microbiology Paper IV

Name of Teacher –Dr. Pranita Gulhane

Sr No.	Name of Student	Seminar Topic
1.	Bhavika T. Ranpura	Carrier-linked prodrugs
2.	Dhanshree D. Dafare	Bioprecursors prodrugs
3.	Khan Huma Muzim	Carboxyl compounds
4.	Kanchan D. Selukar	Iodophores
5.	Manali S. Kakde	Chloroquine
6.	Neha A. Mate	Cimetidine
7.	Nidhi R. Gour	Ramitidine
8.	Nikita N. Lohkare	Omeprazole
9.	Nischal S. Deshbhratar	Morphine and their derivatives
10.	Pooja S. Pawar	Phenylbutazone and oxyphenbutazone
11.	Pranali K. Mendhe	Prostaglandins
12.	Pranali S. Meshram	Primaquine phosphate
13.	Purva V. Madankar	Metranidazole
14.	Rashmi M. Dhande	8-hydroxyquinoline

15.	Sangharsh P. Khonde	Clotrimazole, Ketoconazole
16.	Sayami D. Patrikar	Mechanism of drug action
17.	Shibani A. Sahare	Drug resistance including MDR
18.	Shruti R. Nikose	Isoniazid, Ethambutol
19.	Shubhangi S. Jagtap	Rifamycin, cycloserine
20.	Snehal G. Choudhari	Iodophores
21.	Sonal D. Tandekar	Carrier-linked prodrugs
22.	Suvarna D. Tekade	Bioprecursors prodrugs
23.	Trupti S. Harinkhede	Carboxyl compounds
24.	Vaishnavi R. Mewade	Iodophores
25.	Vishakha P. Chaudhary	Chloroquine


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