

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur

P.G. Department of Microbiology


M. Sc. Semester-III (2023-2024)

Microbiology Paper I


Name of Teacher – Ms. Ankita Manapure

Sr. No	Name of Student	Assignment Topic
1.	Akanksha V. Meshram	Initiation-Priming in E. coli and Eukaryotes
2.	Ashwini D. Nandanwar	Holoenzyme and processivity of replication
3.	Asmita A. Wagh	Direct reversal of DNA damage
4.	Diksha S. Choube	Base excision repair by nucleotide excision
5.	Janhavi D. Parbat	Rec BCD
6.	Kaniz A. Sheikh	Gene conversion
7.	Komal N. Nibrad	Prokaryotic and eukaryotic transcription process,
8.	Nimmi D. Kumbhare	RNA editing
9.	Nisha G. Khaparde	Lac operons
10.	Prachi P. Thakur	Arabino operons
11.	Pratiksha R. Teltumde	Trp operons
12.	Rutuja R. Meshram	Chromatin remodeling
13.	Sejal U. Nilatkar	Gene mapping in bacteria by conjugation
14.	Shivani R. Vikhar	Deletion mapping

15.	Simran V.Bode	Complementation
16.	Sushma D.Lilhare	Plasmids
17.	Vaibhav S.Jaronde	Retroposons
18.	Vaishnavi Nannaware	Transformation
19.	Vaishnavi M.Shende	Transduction
20.	Vanshika A.Gandhare	Chromatin remodeling


Signature of Teacher
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M. Sc. Semester-III (2023-2024)

Microbiology Paper II

Name of Teacher – Ms. Sayali Sangole

Sr. No	Name of Student	Assignment Topic
1.	Akanksha V. Meshram	DNA cloning
2.	Ashwini D. Nandanwar	Restriction enzymes
3.	Asmita A. Wagh	Cloning vectors
4.	Diksha S. Choube	Genomic library
5.	Janhavi D. Parbat	cDNA library and chromosomal libraries
6.	Kaniz A. Sheikh	PCR
7.	Komal N. Nibrad	RT-PCR
8.	Nimmi D. Kumbhare	DNA sequencing dideoxy and pyrosequencing
9.	Nisha G. Khaparde	DNA fingerprinting
10.	Prachi P. Thakur	S1 Mapping
11.	Pratiksha R. Teltumde	Dnase footprinting
12.	Rutuja R. Meshram	DMS footprinting
13.	Sejal U. Nilatkar	Nuclear run on transcription
14.	Shivani R. Vikhar	Camouflage Mechanism in Sea Animals

15.	Simran V.Bode	Reporter gene transcription
16.	Sushma D.Lihare	Transformation and immortalization
17.	Vaibhav S.Jaronde	Antibiotics adjuvants For Combating Antimicrobial Resistance
18.	Vaishnavi Nannaware	Embryonal stem cell
19.	Vaishnavi M.Shende	Multipotent stem cells
20.	Vanshika A.Gandhare	Tissue plasminogen activator

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Microbiology Paper III

Name of Teacher – Dr. Pranita Gulhane

Sr. No	Name of Student	Assignment Topic
1.	Akanksha V. Meshram	Evolution of Earth and early life forms
2.	Ashwini D. Nandanwar	RNA world
3.	Asmita A. Wagh	Energy and carbon metabolism
4.	Diksha S. Choube	Ribosomal RNA sequencing
5.	Janhavi D. Parbat	Methanogens
6.	Kaniz A. Sheikh	Heat stable biomolecules and extremophiles
7.	Komal N. Nibrad	Free living N ₂ fixing bacteria
8.	Nimmi D. Kumbhare	Purple phototrophic bacteria
9.	Nisha G. Khaparde	Nitrifying bacteria
10.	Prachi P. Thakur	Cyanobacteria
11.	Pratiksha R. Teltumde	Green Sulfur Bacteria
12.	Rutuja R. Meshram	Green non –sulfur bacteria
13.	Sejal U. Nilatkar	Branching Hyperthermophiles

14.	ShivaniR.Vikhar	Thermotoga and Aquifex
15.	SimranV.Bode	Nitrospora and Deferribacter
16.	SushmaD.Lilhare	Sulphur and iron oxidizing bacteria
17.	VaibhavS.Jaronde	Sulphate and sulphur reducing bacteria
18.	VaishnaviNannaware	Free living N ₂ fixing bacteria
19.	VaishnaviM.Shende	Origin of Eukaryotes
20.	VanshikaA.Gandhare	Nanoarchaeum

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Microbiology Paper IV

Name of Teacher – Ms. Anjali Pogade

Sr. No	Name of Student	Assignment Topic
1.	Akanksha V. Meshram	Carrier-linked prodrugs
2.	Ashwini D. Nandanwar	Bioprecursors prodrugs
3.	Asmita A. Wagh	Carboxyl compounds
4.	Diksha S. Choube	Iodophores
5.	Janhavi D. Parbat	Chloroquine
6.	Kaniz A. Sheikh	Cimetidine
7.	Komal N. Nibrad	Ramitidine
8.	Nimmi D. Kumbhare	Omeprazole
9.	Nisha G. Kharparde	Morphine and their derivatives
10.	Prachi P. Thakur	Phenylbutazone and oxyphenbutazone
11.	Pratiksha R. Teltumde	Prostaglandins
12.	Rutuja R. Meshram	Primaquine phosphate
13.	Sejal U. Nilatkar	Metranidazole

14.	Shivani R.Vikhar	8-hydroxyquinoline
15.	Simran V.Bode	Clotrimazole, Ketoconazole
16.	Sushma D.Lilhare	Mechanism of drug action
17.	Vaibhav S.Jaronde	Drug resistance including MDR
18.	Vaishnavi Nannaware	Isoniazid, Ethambutol
19.	Vaishnavi M.Shende	Rifamycin, cycloserine
20.	Vanshika A.Gandhare	Iodophores

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