

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

**P.G. Department of Microbiology**

**M. Sc. Semester-III (2019-20)**

**Microbiology Paper I**

Name of Teacher –Ms. Anjali Sharma

Sr. No.	Name of the Student	Assignment Topic
1	Adiba Khan	Initiation-Priming in E.coli and Eukaryotes
2	Akanksha Shende	Holoenzyme and processivity of replication
3	Ashish Nanhe	Direct reversal of DNA damage
4	Dhanashree Dhote	Base excision repair by nucleotide excision
5	Diksha Bhanuse	Rec BCD
6	Kanchan Madavi	Gene conversion
7	Lavanya Shriramwar	Prokaryotic and eukaryotic transcription process,
8	Monika Singh	RNA editing
9	Muskan Harde	Lac operons
10	Pooja Karemore	Arabino operons
11	Pratiksha Mahurkar	Trp operons
12	Rakshit Bolke	Chromatin remodeling
13	Rita Walthare	Gene mapping in bacteria by conjugation
14	Ruchika Sadawarte	Deletion mapping

15	Sakshi Barad	Complementation
16	Sanskruiti Kukade	P elements
17	Sayli Shetiye	Retroposons
18	Shital Bante	Transformation
19	Shivani Chaurikar	Transduction
20	Yogesh Ninawe	Chromatin remodeling
21	Zarina Ansari	Post translational modifications

*Anjali S.*

Signature of Teacher  
Ms. Anjali Sharma



*Pranita Gulhane*

Dr. Pranita Gulhane  
Head of the Department

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**Microbiology Paper II**

Name of Teacher –Mrs. Madhuri Walvekar

Sr. No.	Name of the Student	Assignment Topic
1	Adiba Khan	DNA cloning
2	Akanksha Shende	Restriction enzymes
3	Ashish Nanhe	Cloning vectors
4	Dhanashree Dhote	Genomic library
5	Diksha Bhanuse	cDNA library and chromosomelibraries
6	Kanchan Madavi	PCR
7	Lavanya Shriramwar	RT-PCR
8	Monika Singh	DNA sequencing dideoxy and pyrosequencing
9	Muskan Harde	DNA fingerprinting
10	Pooja Karemore	S1 Mapping
11	Pratiksha Mahurkar	Dnase footprinting
12	Rakshit Bolke	DMS footprinting
13	Rita Walthare	Nuclear run on transcription
14	Ruchika Sadawarte	Camouflage Mechanism in Sea Animals

15	Sakshi Barad	Reporter gene transcription
16	Sanskriti Kukade	Transformation and immortalization
17	Sayli Shetiye	Antibiotics adjuvants For Combating Antimicrobial Resistance
18	Shital Bante	Embryonal stem cell
19	Shivani Chaurikar	Multipotent stem cells
20	Yogesh Ninawe	Tissue plasminogen activator
21	Zarina Ansari	Concept of nano biotechnology and its application

Signature of Teacher  
Mrs. Madhuri Walvekar



Dr. Pranita Gulhane  
Head of the Department

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**Microbiology Paper III**

Name of Teacher –Ms. Dhanashree Badwaik

Sr. No.	Name of the Student	Seminar Topic
1	Adiba Khan	Evolution of Earth and early life forms
2	Akanksha Shende	RNA world
3	Ashish Nanhe	Energy and carbon metabolism
4	Dhanashree Dhote	Ribosomal RNAsequencing
5	Diksha Bhanuse	Methanogens
6	Kanchan Madavi	Heat stable biomolecules and extremophiles
7	Lavanya Shriramwar	Free living N <sub>2</sub> fixing bacteria
8	Monika Singh	Purple phototrophicbacteria
9	Muskan Harde	Nitrifyingbacteria
10	Pooja Karemore	Cyanobacteria
11	Pratiksha Mahurkar	Green Sulfur Bacteria
12	Rakshit Bolke	Green non –sulfur bacteria
13	Rita Walthare	Branching Hyperthermophiles
14	Ruchika Sadawarte	Thermotoga and Aquifex
15	Sakshi Barad	Nitrospora and Deferribacter

16	Sanskriti Kukade	Sulphur and iron oxidizing bacteria
17	Sayli Shetiye	Sulphate and sulphur reducing bacteria
18	Shital Bante	Free living N <sub>2</sub> fixing bacteria
19	Shivani Chaurikar	Origin of Eukaryotes
20	Yogesh Ninawe	Nanoarchaeum
21	Zarina Ansari	Heat stable biomolecules and extremophiles

*D Badwaik*

Signature of Teacher  
Ms. Dhanashree Badwaik



*Pranita Gulhane*

Dr. Pranita Gulhane  
Head of the Department

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**M. Sc. Semester-III (2019-20)**

**Microbiology Paper IV**

Name of Teacher –Dr. Pranita Gulhane

<b>Sr. No.</b>	<b>Name of the Student</b>	<b>Assignment Topic</b>
1	Adiba Khan	Carrier-linked prodrugs
2	Akanksha Shende	Bioprecursors prodrugs
3	Ashish Nanhe	Carboxyl compounds
4	Dhanashree Dhote	Iodophores
5	Diksha Bhanuse	Chloroquine
6	Kanchan Madavi	Cimetidine
7	Lavanya Shriramwar	Ramitidine
8	Monika Singh	Omeprazole
9	Muskan Harde	Morphine and their derivatives
10	Pooja Karemore	Phenylbutazone and oxyphenbutazone
11	Pratiksha Mahurkar	Prostaglandins
12	Rakshit Bolke	Primaquine phosphate
13	Rita Walthare	Metranidazole
14	Ruchika Sadawarte	8-hydroxyquinoline

15	Sakshi Barad	Clotrimazole, Ketoconazole
16	Sanskriti Kukade	Mechanism of drug action
17	Sayli Shetiye	Drug resistance including MDR
18	Shital Bante	Isoniazid, Ethambutol
19	Shivani Chaurikar	Rifamycin, cycloserine
20	Yogesh Ninawe	Iodophores
21	Zarina Ansari	Benzylkonium chloride



Signature of Teacher  
Dr. Pranita Gulhane



Dr. Pranita Gulhane  
Head of the Department

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