

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

P.G. Department of Microbiology

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

Microbiology Paper I

Name of Teacher –Ms. Sayali Sangole

Sr. No	Name of Student	Assignment Topic
1.	Akanksha V. Meshram	Brief outline on discovery of viruses
2.	Ashwini D. Nandanwar	Morphology and structure of viruses
3.	Asmita A. Wagh	Chemical composition of viruses
4.	Diksha S. Choube	Bacteriophages- Structural organization
5.	Janhavi D. Parbat	Bacteriophage typing
6.	Kaniz A. Sheikh	One step growth curve
7.	Komal N. Nibrad	Picornavirus, Orthomyxovirus
8.	Nimmi D. Kumbhare	Rhabdovirus and HIV
9.	Nisha G. Khaparde	Adeno and Hepatitis viruses
10.	Prachi P. Thakur	TMV
11.	Pratiksha R. Teltumde	Cauliflower mosaic virus
12.	Rutuja R. Meshram	Complement fixation
13.	Sejal U. Nilatkar	Ganciclovir, Ribavirin
14.	Shivani R. Vikhar	Delavirdine and Efavirenz
15.	Simran V. Bode	Amantadine, Rimantidine
16.	Sushma D. Lilhare	Types of IFN
17.	Vaibhav S. Jaronde	Haemagglutination inhibition

18.	Vaishnavi Nannaware	ELISA
19.	Vaishnavi M.Shende	Radioimmunoassays
20.	Vanshika A.Gandhare	Types of IFN

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Signature of Teacher
Ms. Sayali Sangole



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Microbiology Paper II

Name of Teacher –Ms. Anjali Pogade

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Sr. No	Name of Student	Assignment Topic
1.	Akanksha V.Meshram	Bioreactor types
2.	Ashwini D. Nandanwar	Immobilized bioreactors
3.	Asmita A.Wagh	Types of fermentation
4.	Diksha S.Choube	Growth kinetics and Monod's Model
5.	Janhavi D.Parbat	Ntr and Pho system
6.	Kaniz A.Sheikh	Growth limiting substrate
7.	Komal N.Nibrad	Maintenance energy, growth yield and product formation
8.	Nimmi D.Kumbhare	Rheology of fermentation fluid
9.	Nisha G.Khaparde	Downstream processes
10.	Prachi P.Thakur	Scale up
11.	Pratiksha R.Teltumde	Xanthan, Polyhydroxyalkanoates
12.	Rutuja R.Meshram	Biosurfactants: a comparative account
13.	Sejal U.Nilatkar	SCP
14.	Shivani R.Vikhar	Carotenoids
15.	Simran V.Bode	Riboflavin
16.	Sushma D.Lilhare	Vit.B12
17.	Vaibhav S.Jaronde	Fatty acids

18.	Vaishnavi Nannaware	Lysine, Glutamic acid
19.	Vaishnavi M.Shende	Proteases
20.	Vanshika A.Gandhare	Chemostat, turbidostat

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Signature of Teacher
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Microbiology Paper III

Name of Teacher –Dr. Pranita Gulhane

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Sr. No	Name of Student	Assignment Topic
1.	Akanksha V. Meshram	Population, guilds
2.	Ashwini D. Nandanwar	Environment and microenvironment
3.	Asmita A. Wagh	Biofilms
4.	Diksha S. Choube	Terrestrial environment
5.	Janhavi D. Parbat	Fresh water environment
6.	Kaniz A. Sheikh	Marine Microbiology
7.	Komal N. Nibrad	Shannon index
8.	Nimmi D. Kumbhare	Diversity indices
9.	Nisha G. Khaparde	Intermediate-disturbance hypothesis
10.	Prachi P. Thakur	Tolerance and inhibition patterns of succession
11.	Pratiksha R. Teltumde	Theories of succession
12.	Rutuja R. Meshram	Genotype frequency, allele frequencies
13.	Sejal U. Nilatkar	Random genetic drift
14.	Shivani R. Vikhar	Hardy-Weinberg natural selection
15.	Simran V. Bode	Assortative mating
16.	Sushma D. Lilhare	Inbreeding
17.	Vaibhav S. Jaronde	Competition and coexistence

18.	Vaishnavi Nannaware	Gause hypothesis
19.	Vaishnavi M.Shende	Commensalism and Mutualism
20.	Vanshika A.Gandhare	Predation, parasitism

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Signature of Teacher
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Microbiology Paper IV

Name of Teacher –Ms. Ankita Manapure

Sr. No	Name of Student	Assignment Topic
1.	Akanksha V.Meshram	Definition and discovery of vaccines
2.	Ashwini D. Nandanwar	Active and passive prophylactic measures
3.	Asmita A.Wagh	Exhalation & attenuation
4.	Diksha S.Choube	Subunit vaccines
5.	Janhavi D.Parbat	DNA vaccines
6.	Kaniz A.Sheikh	Vaccines additives and adjuvants
7.	Komal N.Nibrad	BCG, Hepatitis vaccine
8.	Nimmi D.Kumbhare	DPT, MMR
9.	Nisha G.Khaparde	Malaria vaccines
10.	Prachi P.Thakur	Epstein Barr virus vaccines
11.	Pratiksha R.Teltumde	Cytomegalo virus vaccines
12.	Rutuja R.Meshram	HIV vaccines
13.	Sejal U.Nilatkar	Herpes simplex viral vaccines
14.	Shivani R.Vikhar	Drug designing
15.	Simran V.Bode	Rapid tests for susceptibility testing
16.	Sushma D.Lihare	Drugs & vaccines delivery system
17.	Vaibhav S.Jaronde	Polio vaccine

18.	Vaishnavi Nannaware	Influenza vaccine
19.	Vaishnavi M.Shende	Cytomegalo virus vaccines
20.	Vanshika A.Gandhare	BCG, Hepatitis vaccine


 Signature of Teacher
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