

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Microbiology

Departmental Teaching and Evaluation Scheme

Two - Years PG Programme

Department/Subject Specific Core or Major (DSC)

(as per NEP-2020 Guidelines)

Microbiology

M. Sc. I Semester I & II

Sr. No.	Course Abbr.	Course code	Course Name	Teaching Scheme Hours/week		Examination Scheme and Marks				Course Credits
				TH	PR	ESE	CIE	PR	Marks	
Semester-I										
1	DSC-I	DSC20MIC11	Genetics and Molecular Biology	4	-	80	20	-	100	4
2	DSC-II	DSC20MIC12	Immunology	4	-	80	20	-	100	4
3	DSE-I	DSE20MIC11	Taxonomy and Microbial Diversity	4	-	80	20	-	100	4
		DSE20MIC12	Virology							
		DSE20MIC13	Biomolecules							
4	RMD	RMD20MIC11	Research Methodology	4	-	80	20	-	100	4
5	DSC-PR-I	DSC20MIC19	Microbiology Lab-I	-	12	-	-	150	150	6
Semester-I Total				16	12	320	80	150	550	22
Semester-II										
1	DSC-III	DSC20MIC21	Techniques in Microbiology	4	-	80	20	-	100	4
2	DSC-IV	DSC20MIC22	Microbial Physiology, Biochemistry and Metabolism	4	-	80	20	-	100	4
3	DSE-II	DSE20MIC21	Medical Microbiology	4	-	80	20	-	100	4
		DSE20MIC22	Microbial Ecology							
		DSE20MIC23	Microbial Biotechnology							
4	DSC-PR-II	DSC20MIC29	Microbiology Lab-II	-	12	-	-	150	150	6
5	FPR/OJT-I	FPR20MIC21	Field Project		4	-	-	-	100	4
		OJT20MIC21	On Job Training							
Semester-II Total				12	16	240	60	150	550	22
Total (Semester I & II)				28	28	560	140	300	1100	44

Department of Microbiology
Departmental Teaching and Evaluation Scheme
2024-25
Microbiology
M. Sc. II Semester III & IV

Sr. No.	Course Abbr.	Course code	Course Name	Teaching Scheme Hours/week		Examination Scheme and Marks				Course Credits
				TH	PR	ESE	CIE	PR	Marks	
Semester-III										
1	DSC-V	DSC20MIC31	Agricultural Microbiology and Phytopathology	4	-	80	20	-	100	4
2	DSC-VI	DSC20MIC32	Enzymology And Enzyme Technology	4	-	80	20	-	100	4
3	DSE-III	DSE20MIC31	Quality Control Microbiology I	4	-	80	20	-	100	4
		DSE20MIC32	Fermentation Technology							
		DSE20MIC33	Biostatistics, Bioinformatics And Scientific Writing							
4	DSC-PR-III	DSE20MIC39	Microbiology Lab-III	-	12	-	-	150	150	6
5	RPR-I	RPR20MIC31	Research Project	-	4	-	-	100	100	4
Semester-III Total				12	16	240	60	250	550	22
Semester-IV										
1	DSC-VII	DSC20MIC41	Food And Dairy Microbiology	4	-	80	20	-	100	4
2	DSC-VIII	DSC20MIC42	Industrial Waste Management	4	-	80	20	-	100	4
3	DSE-IV	DSE20MIC41	Recombinant DNA Technology	4	-	80	20	-	100	4
		DSE20MIC42	Quality Control Microbiology II							
		DSE20MIC43	Environmental Microbiology							
4	DSC-PR-IV	DSC20MIC49	Microbiology Lab-IV	-	8	-	-	100	100	4
5	RPR-II	RPR20MIC41	Research Project	-	6	-	-	150	150	6
Semester-IV Total				12	14	240	60	250	550	22
Total (Semester III & IV)				24	30	480	120	500	1100	44

Abbreviations: TH-Theory, PR-Practical, RPR- Project, ESE- End Semester Examination, CIE-Continuous Internal Examination

Note:

1. Passing percentage will be 40%
2. Separate passing for each Head - ESE, CIE and Practicals