

PEOPLE'S, UNIVERSITY, BHOPAL

(Office of Dean Academic Affairs)

Name of Institute: Department of Biotechnology and Microbiology, CSRD

For 2-Year PG Programme [Scheme B-2] (For Courses of Science & Arts Discipline having Major Practicum Component)

(As Per NEP Ordinance 67-II)

Applicable for Admitted from Academic Session: 2025-26

Name of the Program : M.Sc. Biotechnology								Semester- I					
S.N.	Paper Code	Paper Name	Category	L	T	P	Total Credit Point	Theory		Practical		Total	Min.Marks for Passing
								External Assessment	Internal Assessment	External Assessment	Internal Assessment		
1	MSC- 1102	Immunology	CC	5	-	-	5	60	40	-	-	100	40
2	MSC- 1103	General Microbiology	CC	5	-	-	5	60	40	-	-	100	40
3	MSC- 1113	Biochemistry	CC	5	-	-	5	60	40	-	-	100	40
4	MSC- 1111	Practical I (Based on MSC-1102 MSC- 1103 and MSC- 1113)	PC	-	-	5	5	-	-	60	40	100	40
5	MSC-0121	Seminar: Bio-analytical techniques	Seminar	-	-	-	2		100	-	-	100	40
Total							22	180	220	60	40	500	200
Name of the Program : M.Sc. Biotechnology								Semester- II					
S.N.	Paper Code	Paper Name	Category	L	T	P	Total Credit Point	Theory		Practical		Total	Min.Marks for Passing
								External Assessment	Internal Assessment	External Assessment	Internal Assessment		
1	MSC- 1201	Genetic Engineering	CC	5	-	-	5	60	40	-	-	100	40
2	MSC- 1206	Molecular Biology	CC	5	-	-	5	60	40	-	-	100	40
3	MSC-1208	Advanced Cell biology	CC	5	-	-	5	60	40	-	-	100	40
4	MSC-0214	Practical II (Based on MSC- 1201 MSC- 1206 and MSC-1208)	PC	-	-	5	5	-	-	60	40	100	40
5	MSC- 0221	VAC- Biostatistics and Bioinformatics	VAC	2	-	-	2	100	-	-	-	100	40
Total							22	280	120	60	40	500	200

Note: Students who exit at the end of 1st Year shall be awarded a Postgraduate Diploma.

Abbreviations Used –

CC: Core (Major), **PC:**Practicum Course, **PA:** Performing Art **T/A:** Tutorial/Assignment, **VAC:** Value Added Course, **CHM:** Constitutional Human & Moral Values, **IPR:** Intellectual Property Rights, **EESC:** Employability and Entrepreneurship Skills Course,

Note:

1. Internal assessment marks will be based on a) Class test, b) Presentation/Assignment/Quiz/Group-discussion, etc in case of theory examination and seminar/Demonstration/Viva-voce/Lab record, etc in case of practical examination, & c) appropriate weightage of attendance in class.
2. Seminar is mandatory for all theory papers.
3. Passing criteria will be 40% of marks External and Internal.
4. The programmes shall be conducted as per the regulations of ordinance for postgraduate programmes.

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Name of the Program : M.Sc. Microbiology											Semester- I			
S.N.	Paper Code	Paper Name	Category	L	T	P	Total Credit Point	Theory		Practical		Total	Min.Marks for Passing	
								External Assessment	Internal Assessment	External Assessment	Internal Assessment			
1	MSC- 1102	Immunology	CC	5	-	-	5	60	40	-	-	100	40	
2	MSC- 1103	General Microbiology	CC	5	-	-	5	60	40	-	-	100	40	
3	MSC- 1113	Biochemistry	CC	5	-	-	5	60	40	-	-	100	40	
4	MSC- 1111	Practical I (Based on MSC- 1102 MSC- 1103 and MSC- 1113)	PC	-	-	5	5	-	-	60	40	100	40	
5	MSC-0121	Seminar: Bio-analytical techniques	Seminar	-	-	-	2		100	-	-	100	40	
Total							22	180	220	60	40	500	200	
Name of the Program : M.Sc. Microbiology											Semester- II			
S.N.	Paper Code	Paper Name	Category	L	T	P	Total Credit Point	Theory		Practical		Total	Min.Marks for Passing	
								External Assessment	Internal Assessment	External Assessment	Internal Assessment			
1	MSC- 1201	Genetic Engineering	CC	5	-	-	5	60	40	-	-	100	40	
2	MSC- 1206	Molecular Biology	CC	5	-	-	5	60	40	-	-	100	40	
3	MSC-1211	Microbial Physiology	CC	5	-	-	5	60	40	-	-	100	40	
4	MSC-0215	Practical II (Based on MSC- 1201 MSC- 1206 and MSC-1208)	PC	-	-	5	5	-	-	60	40	100	40	
5	MSC- 0221	VAC- Biostatistics and Bioinformatics	VAC	2	-	-	2	100	-	-	-	100	40	
Total							22	280	120	60	40	500	200	

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