

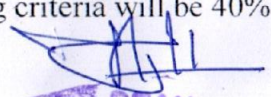
People's University, Bhopal
Faculty of Science
Master of Science in Biotechnology (M.Sc. Biotechnology)
SCHEME OF EXAMINATION
w.e.f. Academic Session 2022-2023

SEMESTER I

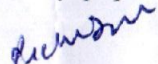
Paper code	Paper Name	T/P	Credit points	Theory		Practical		Total	Min Marks for passing
				External Assessment	Internal Assessment	External Assessment	Internal Assessment		
MSC- 102	Immunology	T	4	80	20	-	-	100	40
MSC- 103	General Microbiology	T	3	80	20	-	-	100	40
MSC- 109	Bio-analytical techniques	T	4	80	20	-	-	100	40
MSC- 113	Biochemistry	T	3	80	20	-	-	100	40
MSC- 111	Practical I (Based on MSC- 102 and MSC- 103)	P	4	-	-	80	20	100	40
MSC- 114	Practical II (Based on MSC- 109 and MSC- 113)	P	4	-	-	80	20	100	40
MSC- 108	Communication Skills	T	1	-	50	-	-	50	20
MSC- 120	Journal club	T	1	-	50	-	-	50	20
Total			24	320	180	160	40	700	280

Note:

1. Internal assessment marks will be based on written test, seminar/assignment & attendance in theory paper and practical record & attendance in practical papers respectively.
2. Passing criteria will be 40% of marks (External and Internal) together.


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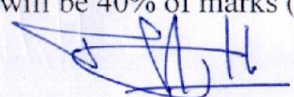
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SEMESTER II

Paper code	Paper Name	T/P	Credit points	Theory		Practical		Total	Min Marks for passing
				External Assessment	Internal Assessment	External Assessment	Internal Assessment		
MSC- 201	Genetic Engineering	T	4	80	20	-	-	100	40
MSC- 206	Molecular Biology	T	4	80	20	-	-	100	40
MSC- 207	Biostatistics and Bioinformatics	T	3	80	20	-	-	100	40
MSC-208	Advanced Cell biology	T	3	80	20	-	-	100	40
MSC- 212	Practical III (Based on MSC- 201 and MSC-206)	P	4	-	-	80	20	100	40
MSC- 209	Practical IV (Based on MSC- 207 and MSC-208)	P	4	-	-	80	20	100	40
MSC- 220	Research Methodology	T	1	-	50	-	-	50	20
Total			23	320	130	160	40	650	260

Note:

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- Passing criteria will be 40% of marks (External and Internal) together.


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SCHEME OF EXAMINATION
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SEMESTER III

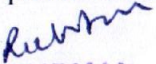
Paper code	Paper Name	T/P	Credit points	Theory		Practical		Total	Min Marks for passing
				External Assessment	Internal Assessment	External Assessment	Internal Assessment		
MSC-301	Genomics and Proteomics	T	4	80	20	-	-	100	40
MSC-317	Fermentation Technology and Bioprocess Engineering	T	4	80	20	-	-	100	40
MSC-303	Animal Biotechnology	T	3	80	20	-	-	100	40
MSC-304	Plant Biotechnology	T	3	80	20	-	-	100	40
MSC-305	Practical V (Based on MSC-301 and MSC-317)	P	4	-	-	80	20	100	40
MSC-306	Practical VI (Based on MSC-303 and MSC-304)	P	4	-	-	80	20	100	40
MSC-307	Project Proposal Presentation	T	1	-	50	-	-	50	20
Total			23	320	130	160	40	650	260

Note:

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- Passing criteria will be 40% of marks (External and Internal) together.


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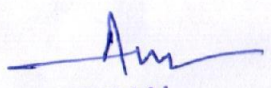
SEMESTER IV


Paper code	Paper Name	T/P	Credit points	Theory		Viva Voice		Total	Min Marks for passing
				External Assessment	Internal Assessment	External Assessment	Internal Assessment		
Elective MSC-401	Intellectual Property Rights, Biosafety and Bioethics Clinical and Translational Research	T	3	80	20	-	-	100	40
MSC-402									
MSC-403	Dissertation and Viva-Voce	P	20	-	-	100	100	200	80
Total			23	80	20	100	100	300	120

Note:

- Internal assessment marks will be based on written test, seminar/assignment & attendance in theory paper and practical record & attendance in practical papers respectively.
- Passing criteria will be 40% of marks (External and Internal) together.


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