M.Sc. Microbiology (2008 - 2009)

5. Semest		Category	Paper	Title of the Paper		Maximum Marks			Minimum Marks for Pass			Credits
No.	Semester	Category	Code			E.E.	Total	CIA	E.E.	Total	Week	
1. /		Core	SP1MBC1	General Microbiology	25	75	100	10	30	50	8	6
2.		Core	8P1MBC2	Bacteriology & Virology	25	75	100	10	30	50	8	5
	I	Core PL	8P1MBCP1	General Microbiology, Bacteriology & virology Practical	40	60	100	16	24	50	8	5
			8P1MBE1A 8P1MBE1B	Biodiversity Conservation and Management / Seed Pathology	25	75	100	10	30	50	6	5
		Core	8P2MBC3	Food & Agricultural Microbiology	25	75	100	10	30	50	6	5
		Core	8P2MBC4	Industrial Microbiology	25	75	100	10	30	50	6	4
	11	Core	8P2MBC5	Microbial biotechnology	25	75	100	10	30	50	6	4
	_	Core PL	8P2MBCP2	Practicals (Food & Agricultural Microbiology, Industrial Microbiology, Microbial biotechnology)	40	60	.100	16	24	50	6	4
			8P2MBE2A 8P2MBE2B	Bioinoculant Technology Soil Biology	25	75	100	10	30	50	6	6
0.		Core	8P3MBC6	Environmental Microbiology	25	75	100	10	30	50	7	5
1.	III	Core	8P3MBC7	Medical Microbiology & Immunology	25	75	100	10	30	50	6	5
2.		Core	8P3MBC8	Research Methodology	25	75	100	10	30	50	6	5
3.		Core PL	8РЗМВСРЗ	Environmental Microbiology Medical Microbiology & Immunology Practicals	40	60	100	16	24	50	7	5
4.		Non Major Elective	8P3_EDC	Extra Disciplinary Course – Mushroom Technology	25	75	100	10	30	50	4	4
15.	IV	Core	8P4MBC9	Microbial Physiology	25	75	100	10	30	50	8	6
16.		Core	8P4MBC10	Microbial Genetics & Molecular Biology	25	75	100	10	30	50	8	6
17.		Core PL	8P4MB .P4	Microbial Physiology Microbial Genetics & Molecular Biology Practicals	40	60	100	16	24	50	8	5
18.		Major Elective	8P4MBE3A 8P4MBE3B	Fermentation Technology	25	75	100	10	30	50	6	5
19.				Mandatory Credits								90
20.		Extra Credit Course	8P4MBPR	Project work (Extra Credit) Non Mandatory								5
					Total credits				95			

## M.Sc. Microbiology (2008 - 2009)

	Total No. Of	Total Marks	Total Credits		
Paper Code	Papers		70		
Core	14	1400	/0		
	3	300	16		
Elective	2		1		
E.D.C	1	100	4		
	18	1800	90		
	10				

## M.Sc., MICROBIOLOGY (2017 - 2018)

SI.	SEM	Category	Paper Code	Title of the Paper	Maximum Marks			Minimum Marks of Pass			Hours Week	Credits
No.						E.E	Total	CIA	E.E	Total	110011	
1		Core I 17P1MBC1 General Microbiology		25	75	100	10	30	50	6	4	
2		Core II 17P1MBC2 Biological Macromolecules		Biological Macromolecules	25	75	100	10	30	50	6	4
3	I	Core III	17P1MBC3	Food and Agricultural Microbiology	25	75	100	10	30	50	6	4
4		Core PL	17P1MBCP1	Practical - I		60	100	16	24	50	6	5
5		Major Elective -I	17P1MBEL1A 17P1MBEL1B	Bioinoculant Technology Seed Pathology		75	100	10	30	50	6	4
		Elective -1	1/PIMBELIB	Seed Pathology								
6		Core I	17P2MBC4	Microbial Physiology	25	75	100	10	30	50	5	4
7		Core II	17P2MBC5	Environmental Microbiology	25	75	100	10	30	50	5	4
8		Core III	17P2MBC6	Recombinant DNA Technology	25	75	100	10	30	50	5	4
9	II	Core IV	17P2MBC7	Marine Microbiology	25	75	100	10	30	50	5	4
10		Core PL	17P2MBCP2	Practical – II		60	100	16	24	50	5	5
11		Major	17P2MBEL2A	Microbial Nanotechnology	25	75	100	10	30	50	5	4
		Elective -II	17P2MBEL2B	Soil Biology								
12		Core I	17P3MBC8	Medical Microbiology	25	75	100	10	30	50	5	4
13		Core II	17P3MBC9	Immunology	25	75	100	10	30	50	5	4
14		Core III	17P3MBC10	Microbial Genetics and Molecular Biology	25	75	100	10	30	50	5	4
15	III	Core IV	17P3MBC11	Fundamental of Biological sciences	25	75	100	10	30	50	5	4
16		Core PL	17P3MBCP3	Practical - III	40	60	100	16	24	50	5	5
17		EDC	17P3MBEDC	Mushroom Technology	25	75	100	10	30	50	4	-
			Communicative Skill and Personality Development								1	
18		Core I	17P4MBC12	Research Methodology	25	75	100	10	30	50	6	4
19		Core II	17P4MBC13	Microbial Biotechnology	25	75	100	10	30	50	6	4
20	1	Core PL	17P4MBCP4	Practical - IV	40	60	100	16	24	50	5	5
21		Major	17P4MBEL3A	Biodiversity and Conservation Management	25	75	100	10	30	50	6	4
	IV	Elective-III	17P4MBEL3B	Bioinformatics								
22		Project	17P4MBPR	Project Work	40	60	100	16	24	50	1	4
23		CN	17P4MBCN	Comprehension	-	100	100	-	-	50	5	2
			Communicative Skill and Personality Development		-	-	-	-	-	-	1	
			Total 2300				120	90				

## M.Sc., MICROBIOLOGY (2017 – 2018)

Paper Code	Total No. Of Papers	Total Marks	Total Credits	Classification
Core	17	1700	72	<b>✓</b>
Elective	3	300	12	✓
E.D.C	1	100		✓
Project	1	100	4	Х
Comprehension	1	100	2	<b>√</b>
Soft skill using Language lab				X
Total	23	2300	90	