

Faculty of Life Science & Technology

Study and Evaluation Scheme

Of

Master of Science in Microbiology

M.Sc. (Microbiology)

(Applicable w.e.f Academic Session 2020-22 till revised)



AKS UNIVERSITY, SATNA

Study and Evaluation Scheme

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M.Sc. Microbiology

Department of Biotechnology

Effective from July, 2020-22

Scheme and Syllabus

I Semester

S. No.	Subject Code	Subject Name	L	T	P	Credit
1	56MB101	General Microbiology	4	0	-	4
2	56MB102	Microbial Diversity and Taxonomy	3	0	-	3
3	56MB103	Advanced Biochemistry	4	0	-	4
4	56MB104	Microbial Genetics and Molecular Biology	4	0	-	4
5	56MB105	Bioinformatics and Biostatistics	3	0	-	3
6	56MB106	Bioinstrumentation	3	0	-	3
1	56MB151	Lab-1 General Microbiology, Microbial Diversity and Taxonomy, Biochemistry	-	-	3	2
2	56MB152	Lab-2 Microbial Genetics and Molecular Biology, Bioinformatics and Biostatistics Bioinstrumentation	-	-	3	2
						25

II Semester

S. No.	Subject Code	Subject Name	L	T	P	C
1	56MB201	Microbial Physiology and Metabolism	4	0	-	4
2	56MB202	Enzyme Technology	4	0	-	4
3	56MB203	Immunology	4	0	-	4
4	56MB204	Environmental Microbiology	4	0	-	4
5	56MB205	Recent Trends in Virology and Mycology	3	0	-	3
6	56MB206	Genetic Engineering and Genomics	3	0	-	3
1	56MB251	Lab-1 Microbial Physiology and Metabolism, Enzyme Technology, Immunology	-	-	3	2
2	56MB252	Lab-2 Environmental Microbiology, Recent Trends in Virology and Mycology, Genetic Engineering and Genomics	-	-	3	2
						26

III Semester

S. No.	Subject Code	Subject Name	L	T	P	C
1	56MB301	Medical Microbiology	4	0	-	4
2	56MB302	Food and Dairy Microbiology	4	0	-	4
3	56MB303	Industrial Microbiology and Fermentation Technology	4	0	-	4
4	56MB304	Pharmaceutical Microbiology	4	0	-	4
5	56MB305	Clinical Diagnosis of Microorganisms	3	0	-	3
6	56MB306	Scientific Writing and Patenting Process	3	0	-	3
1	56MB351	Lab-1 Medical Microbiology, Food and Dairy Microbiology, Industrial Microbiology and Fermentation Technology	-	-	3	2
2	56MB352	Lab-2 Scientific Writing and Patenting Process, Clinical Diagnosis of Microorganisms, Pharmaceutical Microbiology	-	-	3	2
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IV Semester

	Subject Code	Title	L	T	P	C
1	56MB451	Six months Dissertation or Project on any Microbiology related aspect	0	-	16	16