

Faculty of Life Science & Technology

Study and Evaluation Scheme Of Master of Technology in Biotechnology



AKS UNIVERSITY, SATNA (M.P.)

Study and Evaluation Scheme

**** The University Authorities reserve all the rights to make any additions/ deletions or changes/ modifications to this syllabus as deemed necessary.**

(Applicable w.e.f Academic Session 2020-21 till revised)

AKS University, Satna
Sherganj, Panna Road, Satna (MP) 485001

Study & Evaluation Scheme
of
Master of Technology in Biotechnology
SUMMARY

Programme : M.Tech (Biotech)
Duration : Two year full time (Four Semesters)
Medium : English
Minimum Required Attendance : 80 %
Maximum Credits: 96
Evaluation Assessment :

Internal	External	Total
50	100	150
Sessional-I	Sessional-I	Continuous Assessment & attendance
10	10	10+20=30
Duration of Examination	External	Internal
	3 Hrs	1.5 Hrs

To qualify the course a student is required to secure a minimum of 40% marks in aggregate including the semester end examination, internal assessment evaluation (Both theory & Practical Papers)

A candidate who secures less than 36% or Grade 'D' of marks in a Subject/Paper(s) shall be deemed to have failed in that Subject/Paper(s). In case a student has secured less than 36% or Grade 'R' in Subject/Paper(s), he/she shall be deemed to re-appear (ATKT Examination) in Subject/Paper(s) to achieve the required percentage (Min. 36%) or grade (Min. D) in the Subject/Paper(s).

Faculty of Life Science & Technology
Master of Technology (Biotechnology)

Semester-I

Teaching & Examination scheme

S.No.	Subject Code	Subject	Periods			Credit
			L	T	P	
1	55MBT101	Advance Bioanalytical techniques	4		-	4
2	55MBT102	Bioreactor Engineering	3	1	-	4
3	55MBT103	Genetic engineering	3	-	-	3
4	55MBT104	Advance Biochemistry	4	-	-	4
5	55MBT105-	Applied Immunology and Vaccine Technology	3	-	-	3
6	55MBT153	Microbial and Immunotechnology (Lab)	-	-	6	3
7	55MBT152	Preparative and analytical Technology in Biotechnology (Lab)	-	-	6	3
		TOTAL	17	1	12	24

Faculty of Life Science & Technology
Master of Technology (Biotechnology)

Semester-II

Teaching & Examination scheme

S.No.	Subject Code	Subject	Periods			Credit
			L	T	P	
1	55MBT201	Industrial Enzymes and Its Application	3	1	-	4
2	55MBT202	Quality control Management in Biotechnology	3		-	3
3	55MBT203	Applied bioinformatics and Molecular Modelling	3	1	-	4
4	55MBT204	Waste Management	3	-	-	3
5	55MBT205,	Bioprocess Equipment Design	3	1		4
6	55MBT251	Industrial Enzymes and Its Application (Lab)	-	-	6	3
7	55MBT252	Applied bioinformatics and Molecular Modelling (Lab)	-	-	6	3
		TOTAL	15	3	12	24

Faculty of Life Science & Technology
Master of Technology (Biotechnology)
Semester-III
Teaching & Examination scheme

S.No.	Subject Code	Subject	Periods			Credit
			L	T	P	
1	55MBT301	Research methodology and statistical analysis	4	0	0	4
2	55MBT302	Entrepreneurship and bioethics	4	0	0	4
3	55MBT351	Project Work(synopsis submission and presentation)	0	0	20	10
		TOTAL	8	0	20	18

Note : Students should submit synopsis of project with following contents

1. Title of the project
2. Review of literature
3. Aim and Objective followed by rationale of study
4. plan of work (Methodology)
5. Expected outcome
6. References

Faculty of Life Science & Technology
Master of Technology (Biotechnology)
Semester-IV
Teaching & Examination scheme

S.No.	Subject Code	Subject	Periods			Credit
			L	T	P	
1	55MBT451	Project Work(Viva voce and presentation)	0	0	0	20
		TOTAL	0	0	0	20