

**Meerut Institute of Engineering and Technology
Meerut**



EVALUATION SCHEME AND SYLLABI

For

**B.Tech – IInd Year
(*Biotechnology*)**

Effective from the Session: 2026-27

Affiliated With



Dr. A.P.J ABDUL KALAM TECHNICAL UNIVERSITY UTTAR PRADESH

Sec-11, Jankipuram Vistar, Lucknow - 226031, Uttar Pradesh, India

SEMESTER - III															
S.NO.	Subject Code	Subject Name	Category	T/P	PERIODS			Evaluation Scheme						Total Marks	CREDIT
					L	T	P	Continuous Internal Assessment				End Semester			
								CT	TA	Total	PS	TE	PE		
1	MBT301	Biochemistry	PCC	T	3	0	0	20	10	30		70		100	3
2	MBT302	Microbial Technology	PCC	T	3	0	0	20	10	30		70		100	3
3	MBT303	Molecular Biology	PCC	T	3	0	0	20	10	30		70		100	3
4	MBT304	Pharmaceutical Biotechnology	PCC	T	3	0	0	20	10	30		70		100	3
6	MAS302/ MCS304	Universal Human Value and Professional Ethics / Fundamentals of Cyber Security	HSMC/ ESC	T	2	0	0	20	10	30		70		100	2
7	MAE301/ MAE302	Verbal Ability and Communication Skills/ Quantitative and Logical Reasoning *	AEC	T	2	0	0				50			50	2
8	MSE354	R Programming I	SEC	P	0	0	2				50			50	1
9	MBT351	Biochemistry Lab	PCC	P	0	0	2				50		50	100	1
10	MBT 352	Microbial Technology Lab	PCC	P	0	0	2				50		50	100	1
11	MBT353	Molecular Biology Lab	PCC	P	0	0	2				50		50	100	1
12	MBT 355	Internship /Mini Project/Startup and Entrepreneurial Activity Assessment**	PR/INT	P	0	0	2				100			100	1
13	MNC 302	Sports & Yoga ***	NC		0	0	2				50			50	0
		Total			16		12							1000	21

*The subject will be evaluated by an external assessment agency

**The Mini Project or internship (4 weeks) will be done during summer break after 2nd Semester and will be assessed during III semester

*** Compulsory Qualifying Audit Course

SEMESTER - IV

S.NO.	Subject Code	Subject Name	Category	T/P	PERIODS			Evaluation Scheme						Total Marks	CREDIT
					L	T	P	Continuous Internal Assessment			End Semester				
								CT	TA	Total	PS	TE	PE		
1	MBT401	Analytical Techniques in Biotechnology	PCC	T	3	1	0	20	10	30		70		100	4
2	MBT402	Genetic Engineering	PCC	T	3	0	0	20	10	30		70		100	3
3	MBT403	Bioinformatics	PCC	T	3	1	0	20	10	30		70		100	4
4	MAS404	Elementary Mathematics -III	BSC	T	3	1	0	20	10	30		70		100	4
5	MAS402/ MCS404	Universal Human Value and Professional Ethics / Fundamentals of Cyber Security	HSMC/ ESC	T	2	0	0	20	10	30		70		100	2
6	MAE401/M AE402	Verbal Ability and Communication Skills/ Quantitative and Logical Reasoning*	AEC	T	2	0	0				50			50	2
7	MBT451	Analytical Techniques in Biotechnology Lab	PCC	P	0	0	2				50		50	100	1
8	MBT452	Genetic Engineering Lab	PCC	P	0	0	2				50		50	100	1
9	MBT453	Bioinformatics Lab	PCC	P	0	0	2				50		50	100	1
12	MNC401	Environment Sciences***	NC	T	2	0	0	20	10	30		70		100	0
13		Minor Degree/Honors Degree MT-II/HT-II													
		Total			18	3	6							850	22

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*** Compulsory Qualifying Audit Course