

IET BIOTECHNOLOGY INSTITUTE, ALWAR

[An IET Group of Institutions]

Approved by : Government of Rajasthan

Affiliated to : University of Rajasthan, Jaipur (Rajasthan)

An ISO 9001 : 2000 Certified Institute

SCHEME OF EXAMINATION

Distribution of Marks :

All papers shall carry 5 questions.

The first question in each paper shall be compulsory and it would be based on the entire syllabus. It will cover 20 % marks. It will be of the objective type which can be done in the same answer book. It will have short questions of one word, some short sentences to judge the ability of the student for the grasp of the subject.

Each syllabus will have four units / sections and candidates must attempt at least one question from each unit / section in addition to the one compulsory question covering the subject as above.

Syllabus for B.Sc. (Biotechnology) Ist Year :

S. No.	Code	Subject I	T	L	Exam Hrs	MM
1	BT – 101	Microbiology	2	-	3	50
2	BT – 102	Cell Biology	2	-	3	50
3	BT – 103	Molecular Biophysics	2	-	3	50
4	-	Practical based on above subjects	4	-	4	75
Total						225
S. No.	Code	Subject II	T	L	Exam Hrs	MM
1	BT – 201	Developmental Biology	2	-	3	50
2	BT – 202	Immunology	2	-	3	50
3	BT – 203	Instrumentation and Computer Course	2	2	3	50
4	-	Practical based on above subjects	-	4	4	75
Total						225
S. No.	Code	Subject III	T	L	Exam Hrs	MM
1	BT – 301	Energy Resources & Utilization	-	2	3	50
2	BT – 302	Biochemistry – I	-	2	3	50
3	BT – 303	Thermodynamics of Biological Systems	-	2	3	50
4	-	Practical based on above subjects	-	4	4	75
Total						225

Syllabus for B.Sc. (Biotechnology) IInd Year :

S. No.	Code	Subject I	T	L	Exam Hrs	MM
1	BT – 401	Molecular Genetics	2	-	3	50
2	BT – 402	Food & Dairy Technology	2	-	3	50
3	BT – 403	Bioresources and Waste Management	2	-	3	50
4	-	Practical based on above subjects	4	-	4	75
Total						225
S. No.	Code	Subject II	T	L	Exam Hrs	MM
1	BT – 501	Biochemistry – II	2	-	3	50
2	BT – 502	Agriculture and Forest Biotechnology	2	-	3	50
3	BT – 503	Environmental Biotechnology	2	-	3	50
4	-	Practical based on above subjects	4	-	4	75
Total						225
S. No.	Code	Subject III	T	L	Exam Hrs	MM
1	BT – 601	Plant Secondary Metabolites	2	-	3	50
2	BT – 602	Production of Recombinant Molecules	2	-	3	50
3	BT – 603	Industrial Biotechnology	2	-	3	50
4	-	Practical based on above subjects	-	4	4	75
5	BT – 604	Industrial Training / Project work in Institute itself *	-	-	-	75
Total						300

Syllabus for B.Sc. (Biotechnology) IIIrd Year :

S. No.	Code	Subject I	T	L	Exam Hrs	MM
1	BT – 701	Genome Analysis	3	-	3	50
2	BT – 702	Plant Biotechnology	3	-	3	50
3	BT – 703	Animal Biotechnology	3	-	3	50
4	-	Practical based on above subjects	4	-	4	75
Total						225
S. No.	Code	Subject II	T	L	Exam Hrs	MM
1	BT – 801	Medical Biotechnology	2	-	3	50
2	BT – 802	Fundamentals of Bioinformatics & Nanotechnology	2	-	3	50
3	BT – 803	Plant Tissue Culture and Biotechnology	2	-	3	50
4	-	Practical based on above subjects	4	-	4	75
5	BT – 804	Industrial Training / Project work in Institute itself *	-	-	-	75
Total						225