

**B.Sc. (Biotechnology) - I (Semester - I)**

SR. NO.	COURSE NAME	COURSE CODE	MARKS	CREDITS	TH / PR	C / O
1	COMMUNICATIVE ENGLISH - I	U-COE-101	50	2	TH	C
2	CELL BIOLOGY	U-CEB-187	50	3		
3	BASIC BIOSCIENCE	U-BBS-188	50	3		
4	INTRODUCTION TO MICROBIOLOGY	U-INM-189	50	3		
5	CHEMISTRY FOR BIOLOGIST	U-CFB-190	50	3		
6	LAB. COURSE - I	U-LAC-191	50	2	PR	
7	LAB. COURSE - II	U-LAC-192	50	2		
8	LAB. COURSE - III	U-LAC-193	50	2		
9	LAB. COURSE - IV	U-LAC-194	50	2		

B.Sc. (Biotechnology) - I (Semester - II)

SR. NO.	COURSE NAME	COURSE CODE	MARKS	CREDITS	TH / PR	C / O
1	COMMUNICATIVE ENGLISH - II	U-COE-201	50	2	TH	C
2	BIOPHYSICS AND BIOINSTRUMENTATION	U-BBI-287	50	3		
3	GENETICS	U-GEN-288	50	3		
4	FUNDAMENTALS OF BIOCHEMISTRY	U-FUB-289	50	3		
5	BIOMATHEMATICS, BIOSTATISTICS AND COMPUTER	U-BBC-290	50	3		
6	LAB. COURSE - V	U-LAC-291	50	2	PR	
7	LAB. COURSE - VI	U-LAC-292	50	2		
8	LAB. COURSE - VII	U-LAC-293	50	2		
9	LAB. COURSE - VIII	U-LAC-294	50	2		
10	MORAL EDUCATION	U-MOE-235	50	-	TH	

B.Sc. (Biotechnology) - II (Semester - III)

SR. NO.	COURSE NAME	COURSE CODE	MARKS	CREDITS	TH / PR	C / O
1	COMMUNICATIVE ENGLISH - III	U-COE-301	50	2	TH	C
2	APPLIED MICROBIOLOGY	U-APM-398	50	3		
3	IMMUNOLOGY AND VIROLOGY	U-IMV-399	50	3		
4	ENVIRONMENTAL BIOTECHNOLOGY	U-ENB-400	50	3		
5	METABOLISM	U-MET-401	50	3		
6	LAB. COURSE - IX	U-LAC-402	50	2	PR	
7	LAB. COURSE - X	U-LAC-403	50	2		
8	LAB. COURSE - XI	U-LAC-404	50	2		
9	LAB. COURSE - XII	U-LAC-405	50	2		
10	GOOD LABORATORY PRACTICES / HUMAN EXCELLENCE DEVELOPMENT	U-ADC-334	50	2	TH	

B.Sc. (Biotechnology) - II (Semester - IV)

SR. NO.	COURSE NAME	COURSE CODE	MARKS	CREDITS	TH / PR	C / O
1	COMMUNICATIVE ENGLISH - IV	U-COE-401	50	2	TH	C
2	PLANT BIOTECHNOLOGY	U-PLB-497	50	3		
3	ENZYMOLGY	U-ENZ-498	50	3		
4	PROCESS BIOTECHNOLOGY	U-PRB-499	50	3		
5	FUNDAMENTALS OF MOLECULAR BIOLOGY	U-FMB-500	50	3		
6	LAB. COURSE - XIII	U-LAC-501	50	2	PR	
7	LAB. COURSE - XIV	U-LAC-502	50	2		
8	LAB. COURSE - XV	U-LAC-503	50	2		
9	LAB. COURSE - XVI	U-LAC-504	50	2		
10	ALGAL CULTIVATION TECHNOLOGY / MUSHROOM CULTIVATION	U-ADC-434-A	50	2	TH	

B.Sc. (Biotechnology) - III (Semester - V)

SR. NO.	COURSE NAME	COURSE CODE	MARKS	CREDITS	TH / PR	C / O
1	RECOMBINANT DNA TECHNOLOGY	U-RDT-627	50	3	TH	C
2	MICROBIAL TECHNOLOGY	U-MIT-628	50	3		
3	ANIMAL BIOTECHNOLOGY	U-ANB-629	50	3		
4	DEVELOPMENTAL BIOLOGY	U-DEB-630	50	3		
5	FOOD NUTRITION	U-FON-631	50	3		O
6	NANO BIOTECHNOLOGY	U-NBT-632	50	3		
7	LAB. COURSE - XVII	U-LAC-633	50	2	PR	C
8	LAB. COURSE - XVIII	U-LAC-634	50	2		
9	LAB. COURSE - XIX	U-LAC-635	50	2		
10	LAB. COURSE - XX	U-LAC-636	50	2		
11	LAB. COURSE - XXI	U-LAC-637	50	2		O
12	LAB. COURSE - XXII	U-LAC-638	50	2		
13	BIOFERTILIZER - I	U-ADC-540-B	50	2	TH	O
14	HORTICULTURE	U-ADC-540-H	50	2		
15	ENVIRONMENTAL STUDIES	U-ENS-541	50	0		C

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SR. NO.	COURSE NAME	COURSE CODE	MARKS	CREDITS	TH / PR	C / O
1	COMPUTATIONAL BIOLOGY	U-COB-727	50	3	TH	C
2	PHARMACEUTICAL BIOTECHNOLOGY	U-PBT-728	50	3		
3	BIODIVERSITY AND SYSTEMATIC	U-BDS-729	50	3		
4	AGRICULTURE BIOTECHNOLOGY	U-ABT-730	50	3		
5	STRUCTURAL GENOMICS	U-SGE-731	50	3		O
6	MEDICAL BIOCHEMISTRY	U-MBC-732	50	3		
7	LAB. COURSE - XXIII	U-LAC-733	50	2	PR	C
8	LAB. COURSE - XXIV	U-LAC-734	50	2		
9	LAB. COURSE - XXV	U-LAC-735	50	2		
10	LAB. COURSE - XXVI	U-LAC-736	50	2		
11	LAB. COURSE - XXVII	U-LAC-737	50	2		O
12	LAB. COURSE - XXVIII	U-LAC-738	50	2		
13	BIOFERTILIZER - II	U-ADC-640-B	50	2	TH	O
14	SOLID WASTE MANAGEMENT	U-ADC-640-S	50	2		