

Scheme and Syllabus for B.Sc. (Biotechnology) - 2018

CHOICE BASED CREDIT SYSTEM

SEMESTER - I								
Group	Course Code	Title of Courses	Instruction hrs/week	Duration of Exam (hrs)	Marks			Credits
					IA*	Exam	Total	
Group I Core Courses	BSCBTV 131	Biochemistry and Biophysics	4	3	20	80	100	2
	BSCBTP 132	Biochemistry and Biophysics Practical	3	3	10	40	50	1
Group II Elective Courses a) Supportive to the discipline of the study	BSCBTCE 133	Food Technology	2	2	10	40	50	1

SEMESTER - II								
Group	Course Code	Title of Courses	Instruction hrs/week	Duration of Exam (hrs)	Marks			Credits
					IA*	Exam	Total	
Group I Core Courses	BSCBTV 181	Cell Biology and Genetics	4	3	20	80	100	2
	BSCBTP 182	Cell Biology and Genetics Practical	3	3	10	40	50	1
Group II Elective Courses b) Providing an expanded scope	BSCBTCE 183	Bioprocess Technology	2	2	10	40	50	1

SEMESTER - III								
Group	Course Code	Title of Courses	Instruction hrs/week	Duration of Exam (hrs)	Marks			Credits
					IA*	Exam	Total	
Group I Core Courses	BSCBTV 231	Microbiology and Immunology	4	3	20	80	100	2
	BSCBTP 232	Microbiology and Immunology Practical	3	3	10	40	50	1
Group II Elective Courses c) Nurturing students proficiency/skill	BSCBTCE 233	Advanced Biotechniques	2	2	10	40	50	1

SEMESTER - IV								
Group	Course Code	Title of Courses	Instruction hrs/week	Duration of Exam (hrs)	Marks			Credits
					IA*	Exam	Total	
Group I Core Courses	BSCBTV 281	Molecular Biology and Recombinant Technology	4	3	20	80	100	2
	BSCBTP 282	Molecular Biology and Recombinant Technology Practical	3	3	10	40	50	1
Group II Elective Courses d) Enabling an exposure to some other domain	BSCBTOE 283	Biotechnology in Daily Life	2	2	10	40	50	1

SEMESTER - V								
Group	Course Code	Title of Courses	Instruction hrs/week	Duration of Exam (hrs)	Marks			Credits
					IA*	Exam	Total	
Group I Core Courses	BSCBTV 331	Plant Biotechnology	3	3	20	80	100	2
	BSCBTV 332	Animal Biotechnology	3	3	20	80	100	2
	BSCBTP 333	Plant Biotechnology Practical	2	3	10	40	50	1
	BSCBTP 334	Animal Biotechnology Practical	2	3	10	40	50	1

SEMESTER - VI								
Group	Course Code	Title of Courses	Instruction hrs/week	Duration of Exam (hrs)	Marks			Credits
					IA*	Exam	Total	
Group I Core Courses	BSCBTV 381	Environmental Biotechnology	3	3	20	80	100	2
	BSCBTV 382	Biostatistics and Bioinformatics	3	3	20	80	100	2
	BSCBTP 383	Environmental Biotechnology, Biostatistics and Bioinformatics Practical	2	3	10	40	50	1
	BSCBTP 384	Project	2	3	10**	40	50	1

*Based on internal test or tests

**Continuous assessment during project