

BIOTECHNOLOGY**SEMESTER - I**

Subject Name	Sem-patt-2006	Revised Course (Sem.-pat-2008)
Genetics & Immunology (Theory)	24011	54011
Cell Biology (Theory)	24021	54021
Metabolic Pathways (Theory)	24041	
Molecular Biology (Theory)		54041
Fundamentals of Ecology & Environment (Theory)	24051	
Exercises In Cell Biology & Genetics (Practical)	24131	54131
Techniques in Molecular Biology (Practical)		54231

SEMESTER - II

Subject Name	Sem. Pattern 2006
Molecular Biology (Theory)	24062
Plant & Animal Tissue Culture (Theory)	24082
English (Theory)	24072
Techniques in Molecular Biology (Practical)	24232
Tissue Culture Techniques (Practical)	24332

Subject Name	Sem. Pattern 2008
Metabolic Pathways (Theory)	54042
Environmental Biology & Biotechnology (Theory)	54062
English (Theory)	54072
Plant & Animal Tissue Culture (Theory)	54082
Tissue Culture Techniques (Practical)	54332

SEMESTER - III

Subject Name	2006 Pattern
Microbial Biotechnology (Theory)	34013
Recombinant DNA Technology (Theory)	34023
Biodiversity & Systematics (Theory)	34043
Techniques in Genetics Engg. (Theory) (Practical)	34133
Project (to be continued) (Semester IV)	34233

SEMESTER - IV

Subject Name	2006 Pattern
Large Scale Manufacturing Process (Theory)	34014
Applications of Biotechnology in Agriculture & Health (Theory)	34024
Animal and Plant Development (Theory)	34044
Development Biology (Practical)	
Development Biology & Fermentation (Practical)	34134
Project	34234

SEMESTER - III

Subject Name	2008 Pattern
Microbial Biotechnology	64013
Animal and Plant Development	64023
Biodiversity & Systematics	64043
Development Biology and Microbial Biotechnology (Practical)	64133
Project (to be continued in Sem. IV)	64233

SEMESTER - IV

Subject Name	2008 Pattern
Large Scale Manufacturing Process	64014
Biotechnology in Agriculture & Health	64024
Recombinant DNA Technology	64044
Techniques in Genetic Engg. (Practical)	64134
Project	64234

B.SC. BIOTECHNOLOGY (Semester 2013)

Subject Name	Sem I
Genetics & Immunology (Theory)	84011
Cell Biology (Theory)	84021
Environmental Biology and Biotechnology (Theory)	84041
Practicals in Environmental Biotechnology	84131
Practicals in Cell Biology Genetics	84231

Subject Name	Sem II
Molecular Biology (Theory)	84012
Animal and Plant Development	84022
Scientific Writing and Communication	84042
Metabolic Pathways	84052
Practicals in Molecular Biology	84132
Practicals in Development Biology	84232

Subject Name	Sem III
Microbial Biotechnology	94013
Plant & Animal Tissue Culture	94023
Biodiversity & Systematics	94043
Practical in Tissue Culture	94133
Pract.In A)Microbial Biotech.B)Field Studies & Report Writting	94233

Sem.IV

SUBCODE	NAME
94014	LARGE SCALE MANUFACTURING PROCESS
94024	BIOCHEMICAL & BIOPHYSICAL TECHNIQUES
94034	TECHNIQUES IN GENETIC ENGINEERING
94234	PRACTICALS IN RECOMBINANT DNA TECHNOLOGY
94244	A)PRACT.OF LARGE SCALE MFG.PROCE.B)PRACT.IN BIOCHEM & BIOPHY.TECH