





**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)**

<b>Subject Name</b>	<b>Sem I</b>
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

<b>Subject Name</b>	<b>Sem II</b>
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

<b>Subject Name</b>	<b>Sem III</b>
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