

# MSc BIOTECHNOLOGY

## **Semester I**

Advanced Biological Chemistry

Molecular Biology

Environmental Biotechnology

Cell Biology

Exercises in Advanced Biological Chemistry

Exercises in Molecular and Cell Biology

Exercises in Environmental Biotechnology

## **Semester II**

Genetic Engineering

Immunology

Principles of Bacteriology and Virology

Plant Biotechnology

Exercises in Genetic Engineering

Exercises in Immunology

Exercises in Plant Biotechnology

Exercises in Bacteriology and Virology

### **Semester III**

Animal Biotechnology

Bioprocess engineering & Fermentation Technology

Data Base Management and IPR in Biotechnology

Advanced Genetics

Bioinformatics

Exercises in Animal Biotechnology

Exercises in Bioprocess Engineering

Exercises in Bioinformatics

Seminars, Term paper writing

Scientific Research and Communications

Food Technology and Nutrigenomics

## **Semester IV**

Genomics and Proteomics

Biochemical and biophysical techniques

Exercises in Biochemical and Biophysical techniques

Nano biotechnology

Stem Cell Technology and Regenerative Medicines

Agricultural Biotechnology

Bio-entrepreneurship

Project