

Name of department: Botany , subject - Biotechnology

Part I: Course outcome B.Sc. in Biotechnology

Name of Programme **Course/Paper**

[B.A./B.Sc./B.Com./B.Sc. H.Sc. I](#) Paper I

Paper II

[B.A./B.Sc./B.Com./B.Sc. H.Sc. II](#) Paper I

Paper II

[B.A./B.Sc./B.Com./B.Sc. H.Sc. III](#) Paper I

Paper II

Part II: Programme outcome

Name of programme/degree **Name of subject**

[B.A./B.Sc./B.Com./B.Sc. H.Sc.](#) Biotechnology

Name of course/Paper

Biochemistry, Biostatistics, Computer

Cell Biology , Genetics and Microbiology

Molecular Biology and Biophysics

Recombinant DNA technology

Plant biotechnology, Environmental biotechnology

Immunology

Programme outcome

The B.Sc. Biotechnology programme is three years

Course outcome (should include one point for each unit of the paper)

Fundamental and functional knowledge of biomolecules, enzymes and hormones ,Studies of Me

Knowledge of structure and function of cell, Study of cell organells, Study of genetics to unders

Fundamental knowledge of DNA,RNA and gene ,Study of protien synthesis ,Advance study of c

General concept and application of recombinant DNA technology ,use of vectors in genetic engi

Basic techniques of plant tissue culture and application of plant biotechnology, study of environ

Fundamental and fuctional knowledge of immunology , diversity of immune system, stydy of anti

year degree .In first two year student will study about core subjects of biotechnology to ensure ti

Metabolic pathway to understand energy transport and chain, Basic learning of Biostatistics and Correlation
Understand pattern of inheritance, Basic study of microorganism their growth, nutrition and culture media
Gene therapy, Basic learning of biophysics and use of instruments like centrifuge, colorimeter etc.
Engineering, study of PCR, genome map, genomic project, IVF, stem cell technology, transgenic animals
Environmental biotechnology and industrial biotechnology, importance of food preservation and food technology
Antigen and antibodies, Study of immunological disorders and autoimmune disease

That they receive grounding in fundamentals. Students will then specialise in final year. Biotechnology

computer

method and economic importance

animal and plant

technology

biology Course contain topics allcovering all aspects of applied biotechnology based industry, such as intellectual

al property and patents, commercializing technology etc.