

Department of Botany
Jangipur College
Semester VI
Botany (H) and Programme course
Internal Assessment

Full marks: 10

Students are advised to choose ANY ONE topic for Each Paper and submit a hand written project with relevant diagrams and tables, if any.

Botany (Hons)

Paper- CC 13- Genetics

1. DNA repair mechanism
2. CIB method
3. Role of transposon in mutation
4. Hardy-Weinberg law

Paper- CC 14- Plant Molecular Biology and Biotechnology

1. Types of cloning vectors and their applications
2. Anther culture and its applications
3. Bt cotton and golden rice production- Process and applications
4. cDNA library – Process and applications

Paper- DSE 3 A- Biodiversity and Conservation

1. Biodiversity: threats and management
2. Bioprospecting
3. Biodiversity heritage sites
4. Environmental Impact Assessment
5. Methods of soil conservation and restoration

Paper- DSE 4 A- Research Methodology

1. Research and its types
2. Plagiarism
3. Common toxic chemicals and their safety measures in the laboratory

Botany (Programme course)

Paper- BOT- G DSE- 2- A- Biodiversity and Conservation

1. Types of fresh water body and their significance
2. The Biological Diversity Act, 2002
3. Biodiversity: Types and significance
4. Methods of soil conservation and restoration