

**Department of Botany  
Jangipur College**

**List of project topics for the evaluation of Internal Assessment for Semester III  
Examinations 2023**

Students are directed to choose any One topic for Each paper of their course. The assignment should be submitted in hand written format with relevant diagrams (if any).

**Paper: BOT- H-CC-T-05 Choose Any One**

1. Range of thallus organization in bryophytes.
2. Evolution of sporophytes in bryophytes.
3. Telome theory
4. Male and female gametophyte development in Selaginella
5. Morphological nature of synangia and rhizophore
6. Sporocarp of Marsilea

**Paper: -BOT- H-CC-T-06 Choose Any One**

1. Phyletic gradualism and punctuated equilibrium
2. Mass extinction
3. Geological time scale and plant fossil records
4. Radiocarbon dating
5. Male and female gametophyte development in Cycas and Ginkgo
6. Female gametophyte development in Gnetum

**Paper: BOT- H- CC-T-07 Choose Any One**

1. Callose deposition and its significance
2. Sporoderm stratification
3. NPC classification
4. Megagametogenesis in Polygonum sp
5. Polyembryony
6. Apomixis
7. Embryo-endosperm relation
8. Pollen wall protein

**Paper- SEC- T01 Choose Any One**

1. Ethical and Aesthetic values of Biodiversity
2. Methods of conservation of biodiversity
3. Sustainable Development
4. Plants for human welfare

**Paper BOT- H- GE-T-01- Choose Any One**

1. Alternation of generation in algae
2. Recombination in Bacteria
3. Uses of Virus in human welfare
4. Range of thallus organization in bryophytes.
5. Ecological and economic importance of bryophytes
6. A comparative study of the morphology, anatomy and reproduction of Marchantia and Funaria .