

M.Sc. (Botany) Semester - 1 (CBCS) Examination
Nov/Dec-2023 (SYLLABUS YEAR JUNE-2018)
BIODIVERSITY AND BIOSYSTEMATICS(CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que. 1 Answer the Following. Explain the following terms with examples. (Any seven out of ten question.) (14)

- (1) Biodiversity.
- (2) Ecotourism.
- (3) Invasive species.
- (4) Triploblastic.
- (5) Homodont.
- (6) Taxonomy.
- (7) Akaryotes.
- (8) Rare animals.
- (9) Non-seed tracheophytes.
- (10) Apicomplexans.

Que. 2 Answer the Following. (Any two out of three) (14)

- (1) Write general characters of phylum hemichordata.
- (2) Write differences in between class aves and mammalia.
- (3) Give classification chart of class amphibian and explain each order with examples.

Que. 3 Answer the Following. (14)

- (1) Describe common pathogens of humans.
- (2) Explain general features of fungus.

[OR]

Que. 3 Answer the Following.

- (1) Describe common parasites of domestic animals.
- (2) Write short note on organisms of health importance.

Que. 4 (A) Write any two out of three questions. (10)

- (1) Principles of systematics and classification of plants.
- (2) Write diatom, dinoflagellates, lichens and algae.
- (3) Write about angiosperms.

Que. 4 (B) Write any one out of two questions. (04)

- (1) Give biological importance of Bryophytes
- (2) Explain general characters of Pteridophytes

Que. 5 Write short note on any two out of four. (14)

- (1) Describe types of biodiversity.
- (2) Write short note on marine biodiversity.
- (3) Describe CBD mechanisms and working bodies.
- (4) Write about Invasive species, Disease, Overexploitation
