

M.Sc. (Botany) Semester - 1 (CBCS) Examination
OCT/NOV-2025 (AS PER SYLLABUS YEAR JUNE-2023)
Biodiversity & Biosystematics (Core (New-23))

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

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

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- Que.1 Answer any seven. (14)
- 1) Give examples of over-exploitation.
 - 2) Describe reasons for habitat destruction.
 - 3) Write uses of algae.
 - 4) Write about common pathogens.
 - 5) Draw nematocytes.
 - 6) Mesoglea is found in which animals?
 - 7) Write classification chart of amphibia.
 - 8) What are archaebacteria?
- Que.2 Answer any two out of three. (14)
- 1) Describe five major threats to biological diversity.
 - 2) Make a detailed note on diversity.
 - 3) Explain: Eco-tourism.
- Que.3 Answer any two out of three. (14)
- 1) Describe general characteristics of phylum Mollusca with diagram.
 - 2) Write general characters and classification of fish.
 - 3) Explain porifera and conservation strategies.
- Que.4 Answer any two out of three. (14)
- 1) Give differences in between angiosperms and gymnosperm.
 - 2) Give differences in between mosses and ferns.
 - 3) Make a note on: classification of plants.
- Que.5 Answer any two out of three. (14)
- 1) Differentiate in between virus and bacteria.
 - 2) Describe parasites and pathogens.
 - 3) Classify microbes.
