2026

M.Sc. 2nd Semester Examination

BOTANY

Paper : BOTC455X0

[Ecology]

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Full Marks : 25 Time : One Hour

The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

Group - A

Answer any *two* questions : 2×2=4

1. Define sere and cite example.
2. Define edge effect.
3. Write the differences between GPP and NPP.
4. What is carrying capacity?

Group - B

Answer any *two* questions : 4×2=8

5. Mention the characteristic features of mountain ecosystem.

P.T.O.

6. Mention the adaptive features of halophytic plants.

7. Differentiate between r– and k– selected species.

8. Write a short note on ecological pyramid.

Group - C

Answer any ***one*** question : 8×1=8

9. Discuss on the stages of succession in hydrosere. Describe different population dispersion patterns with diagrams. 4+4

10. Write the differences between habitat and niche. Discuss niche construction and niche differentiation with examples. 4+4

[Internal Assessment : 5 marks]

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