

PG 1st Semester Examination, 2024

GEOGRAPHY

(Foundations in Biogeography and Environment)

PAPER — GEO-107

Full Marks : 25

Time : 1 hour

Answer **all** questions

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

GROUP—A

Answer any **one** from the following : 8×1

1. Describe the key features of a stressed environment and analyze their significances.

2. Highlight the status of biodiversity in the biogeographic zones of India.

GROUP—B

Answer any **two** from the following : 4×2

3. Describe the factors contributing to the rarity of species.
4. Elucidate eco-physiological adaptation of mangrove plants in the estuarine environment with special reference to Sundarbans.
5. Make a comparison between the patterns of survival among the K and R selected species.
6. Identify the salient features of National Park and Sanctuary.

GROUP—C

Answer any **two** from the following : 2×2

7. Explain the role of nutrient in determining the species distribution and ecosystem stability.
8. What is biomagnification ?
9. How does competition between species lead to niche differentiation ?
10. Define flagship species.

[Internal Assessment — 5 Marks]
