

**M.A. 1st Semester Examination, 2024**

**GEOGRAPHY**

*( Landscape Ecology and Planning )*

PAPER – GEO-108

*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 :  $8 \times 1$

1. Explain the different structural components of landscape with examples.

2. Critically assess the impact of anthropogenic activities that modify the natural landscape. What is the edge effect ?

**GROUP – B**

Answer any **two** from the following :  $4 \times 2$

3. Enumerate any two habitat measuring metrics.
4. Identify the importance of scale in studying landscape ecology.
5. Explain the role of TEK in conserving landscape.
6. How do abiotic disturbances differ from biotic disturbances ?

**GROUP – C**

Answer any **two** from the following :  $2 \times 2$

7. Differentiate extinct species from endangered species with example.

8. What is the concept of sustainable landscape ?
9. Mention the role of keystone species in forest habitat.
10. Define landscape heterogeneity with proper examples.

**[ Internal Assessment – 5 Marks ]**

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