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PG CBCS
M.A. & M.Sc. Semester-I Examination, 2021
GEOGRAPHY
 PAPER: GEO 104
 (ENVIRONMENTAL GEOGRAPHY)

Full Marks: 40

Time: 2 Hours

The figures in the right-hand margin indicate full marks.
 Candidates are required to give their answers in their own words as practicable.
 Illustrate the answers wherever necessary.

Write the answer for each unit in separate sheet

GROUP/UNIT

(GEO 104.1: BASICS OF ENVIRONMENT AND ECOLOGY)

Answer any TWO questions from the following:

2 X 10=20

1. Discuss the role of abiotic elements in an environmental system.
2. Explain the mechanism of energy flow in a grassland ecosystem.
3. 'Y-shaped model of energy flow is more realistic than single channel model.'- Justify this statement with suitable examples.
4. Discuss the significance of Protected Area Network in promoting biodiversity conservation.
5. Elucidate the characteristics of a man engineered ecosystem with special reference to cropland ecosystem.

GROUP/UNIT

(GEO 104.2: LANDSCAPE ECOLOGY AND PLANNING)

Answer any TWO questions from the following:

2 X 10=20

1. Briefly discuss the role of anthropogenic activities in modifying natural landscape through agricultural intensification and deforestation.
2. Explain the procedures and importance of calculating Shannon Diversity Index and Simpson Diversity Index in landscape study.
3. Examine the application of GIS in landscape planning.
4. Discuss the relevance of landscape study in environmental geography.
5. How does changing energy flow help in understanding the landscape dynamics?
