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PG CBCS
M.A. /M.Sc. Semester-I Examination, 2020
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 - A

(GEO104.1: BASICS OF ENVIRONMENT AND ECOLOGY)

Answer any two questions from the following (within 500 words): **10 X 2=20**

1. Give an account on the structure and functioning of an ecosystem with proper diagram.
2. Elucidate the pattern of energy flow in a grassland ecosystem.
3. Assess the social and aesthetic value of biodiversity.
4. Explain the role of biotic elements in successful functioning of an environmental system.
5. Discuss the methods of ex-situ conservation of biodiversity.
6. Explain the concept of ecological stability citing examples.

GROUP/UNIT - B

(GEO 104.2: LANDSCAPE ECOLOGY AND PLANNING)

Answer any two questions from the following (within 500 words): **10 X 2=20**

1. Evaluate the ecological importance of Landscape Corridor.
2. Briefly discuss the anthropogenic activities that modify natural landscape citing suitable examples.
3. Explain the processes of calculate the Shanon Diversity Index and Simpson Diversity Index with suitable examples.
4. Identify the factors of habitat fragmentation and mention methods of conserving a fragmented habitat.
5. Elucidate the role of TEK in conserving landscape.
6. Examine the role of GIS in landscape planning.
