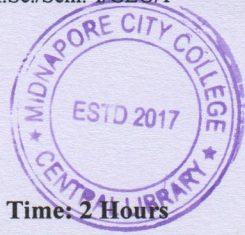


PG (NEW) CBCS
M.Sc./M.A. Semester-I Examination, 2019
GEOGRAPHY
PAPER: GEO-104
(Environmental Geography)



Full Marks: 40

Time: 2 Hours

Write the answer for each unit in separate sheet

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

GEO104.1: Basics of Environment and Ecology

Marks: 20

GROUP-A

1. Answer any one question: 1×8=8
- a) Discuss the roles of biotic and abiotic elements in functioning of an environmental system.
- b) Briefly describe the process and pattern found in agricultural ecosystem.

GROUP-B

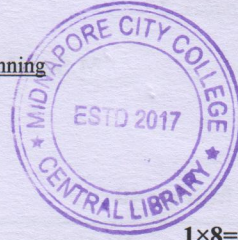
2. Answer any two questions: 2×4=8
- a) Explain the pattern of energy flow in an ecosystem.
- b) Write a short note on ecosystem stability.
- c) Discuss the characteristic feature of a grassland ecosystem.
- d) Differentiate community diversity from ecosystem diversity.

GROUP-C

3. Answer any two questions: 2×2=4
- a) Define Bio piracy.
- b) What is cryopreservation?
- c) What do you understand by ecosystem metabolism?
- d) What is Keystone species?

(Turn Over)

(2)

GEO104.2: Landscape Ecology and Planning**Marks: 20****GROUP-A**

1. **Answer any one question:** 1×8=8
- a) Discuss the component and structure of landscape with suitable examples.
 - b) Account the role of GIS in landscape planning. How do you conserve a fragmented habitat?

GROUP-B

2. **Answer any two questions:** 2×4=8
- a) Explain the methods of measuring bio diversity after Shanon.
 - b) Elucidate the role of traditional ecological knowledge in conserving landscape.
 - c) Examine nutrient movement as a dynamic process across landscape.
 - d) Assess the conflict between deforestation and development with reference to Indian scenario.

GROUP-C

3. **Answer any two questions:** 2×2=4
- a) What is agricultural intensification?
 - b) Define patch.
 - c) Mention any two consequences of species movement in a forest ecosystem.
 - d) What do you understand by the term 'landscape'?
