

First Semester Examination-2017**M.Sc. GEOGRAPHY**

Paper Code: GEO-104

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.

Unit-VII

Basics of Environment and Ecology

Marks: 20**GROUP-A****1. Answer any one question: 1×8=8**

- Describe the major strategies taken for bio-diversity conservation in India.
- Mention the importance of bio-geochemical cycle. Discuss in brief the process of nitrogen cycle with suitable diagram.

GROUP-B**2. Answer any two question: 2×4=8**

- Explain the carbon cycle with proper illustration.
- Explain the tropic level and tropic structure of mangrove ecosystem in Indian Sundarbans.
- Explain briefly the structure of grassland ecosystem.
- Enumerate the principles of ecosystem.

GROUP-C**3. Answer any two question: 2×2=4**

- Distinguish between bio-concentration and biomagnifications.
- Explain the roles of decomposers in an ecosystem.
- What is biological desert?
- What do you mean by ecosystem metabolism?

UNIT-VIII

Soil and Agricultural Geography

Marks: 20**GROUP-A****1. Answer any one question: 1×8=8**

- How do physical and chemical properties of soil vary with climate?
- Elucidate the roles of institution framework in determining agricultural pattern.

GROUP-B**2. Answer any two question: 2×4=8**

- What are the roles of pH in soil?
- How is catena related to slope?
- Which factors control the soluble salt content in soil?
- Mention the salient features of agricultural policy in India.

GROUP-C**3. Answer any two question: 2×2=4**

- Define precision farming?
- What is food security?
- Mention the disadvantages of GM crops.
- What is USLE?

