

**2017**

**DDE**

**M.A./M.Sc. Part-I Examination**

**GEOGRAPHY**

**PAPER—IV**

*Full Marks : 100*

*Time : 4 Hours*

*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.*

*Illustrate the answers wherever necessary.*

*Write the answer question of each Group in separate books*

**MODULE-7**

**(Land use Planning and Management)**

[Marks : 50]

**Group—A**

Answer any *two* questions : 2×15

1. Define the concept of 'Land Use'. Briefly explain the factors governing land utilization. Critically analyze the

*(Turn Over)*

principles of Land use after L.D stamp and state its present relevance. 3+4+8

2. Soil is an essential determinant of Land use—elaborate with examples. How far A.B. Lewis's principles of Land use is different from Graham's principles? 9+6
3. Distinguish between 'reclamation' and 'amelioration'. Identify and elaborate the factors responsible for major problems of Alkaline soils in Sundarbans. Suggest appropriate remedial measures for their reclamation. 4+7+4
4. Define 'Wetland' as per Ramsar Convention. Depletion of wetland results in the depletion of underground water—justify the statement with explanation and examples. Briefly outline the MOEF guidelines for the conservation of wetlands. 3+7+5

**Group—B**

(Answer any *two* questions) 2×10

5. Discuss the governmental control policies on land use with special reference to India. Briefly highlight the major features of industrial land policy in India. 6+4
6. Describe in detail the methods and techniques of Land use survey. What are the procedures adopted for conducting micro-level land use survey? 7+3

7. Discuss how land use changes in mining areas contribute to adverse environmental impacts on the surrounding region? Suggest some relevant measures to check such impacts. 6+4
8. Write short notes on : (any *two*) 5+5
  - (i) Reclamation of acidic soils
  - (ii) Role of National Wasteland Development Board
  - (iii) Land capability classification by USDA.

**MODULE-8**

**(Resources use and Management)**

[Marks : 50]

**Group—A**

Answer any *two* questions : 2×15

1. Discuss with examples the changing nature of resource use according to the different stages of developments of economy, technology and culture. Evaluate the concept of social sustainability. 10+5
2. Evaluate the merits and demerits of 'Blue Revolution' in India. Discuss the economic significance of sea as a resource. 5+10
3. What is social forestry and how it is different from territorial forestry? What are the advantages and

disadvantages of social forestry extension compared to other forms of forestry extension? 5+10

4. Analyse the cause of mineral resource depletion and discuss the problems associated with mineral resource crisis. Explain the concept of 'Phantom Pile'. 5+5+5

### Group—B

(Answer any *two* questions) 2×10

5. Regional disparity in India is enhanced due to differential policies in industrial development—Justify with examples. 10
6. Discuss the different measures to check soil erosion in respect of different topographical setup. 10
7. Discuss with examples the differences in methods and productivity between traditional and modern agricultural system. 10
8. Explain the importance of human being as a resource. What are the different indices used for calculation of Human Development Index? 5+5