2016

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. What do you mean by spatiotemporal changes of landuse pattern ? Account for the determining factors of changing landuse pattern. What is the applicability of Graham's principles of landuse in this regard ? 3+8+4

(Turn Over)

2. What do you understand by rehabilitation of degraded land ? What are the problems of using desert soils of India ? Suggest some measures to harness the potentials of desert soils of India. 3+6+6

3. Define wasteland. Explain the integrated approach of wasteland management. Discuss the policies of wasteland management in India. 3+4+8

4. State the objectives of major river valley projects in India. Enumerate the problems of land acquisition associated with large dam construction in India. Why are the inland navigation programmes in majority of river valley projects failed ? 5+7+3

Group—B

Answer any *two* questions : 2×10

5. What are the essential components of landuse survey ? Justify importance field techniques at present when remote sensing techniques are applied more for assessing landuse pattern. 4+6

6. What criteria are to be taken to assess the transformation of agricultural landuse ? Discuss with examples. Determine objectives of landuse survey regarding urban-sprawl. Give examples. 6+4

7. Distinguish between land suitability unit and land capability unit. What are the determinant factors for classifying land in terms of capability. Give examples. Illustrate the significance of land capability classification in landuse planning in perspective of wet land in South Kolkata. 2+4+4

8. Write short notes (any *two*) : 5+5
   (a) Desertification of land ;
   (b) Reclamation of alkaline soil ;
   (c) Classification of waste land.

MODULE–8

(Resources use and Management)

[*Marks : 50*]

Group—A

Answer any *two* questions : 2×15

1. Classify resources on the basis of biogenesis and renewability with suitable examples. How conceptually the economic sustainability differs from environmental sustainability in the context of resource use ? 10+5

2. What are the major factors considered for land capability classification ? Elaborate the USDA classification of World landuse. 5+10

3. Define sustainable development of forest resources. Bring out the principles and functions of Joint Forest Management. To what extent JFM is dependable in improving the livelihood status of the local rural community ? 10+5

4. Explain relationship between population and resources with special reference to agricultural activities. What are the ecological impact of Jhum cultivation in the fragile hilly environment. 10+5

Group—B

Answer any *two* questions : 2×10

5. Elaborate the economic and environmental consequences of wetland transformations. Give an account of the use and misuse of marine resources. 5+5

6. Briefly discuss how inter-regional transfer of resources and social adaptation of technology are important in decentralization of industries. Illustrate with Indian examples. 10

7. Discuss the importance of the mineral resource conservation in the economic development of a country. More reliance a non-conventional evergy sources is necessary for sustainable development of a country — Justify. 5+5

8. Discuss the salient features of human resource development in the developing countries of the world. What is HDI and how it is measured? 5+5

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