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C/18/DDE/MA/MSc/Part-I/GEO/4

2018

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 to question of each Group in separate books

MODULE-7

(Landuse Planning and Management)

[Marks : 50]

Group—A

Answer any two questions : 2×15

1. Define the concept of optimum Landuse. Elaborate the importance of soil as a determinant factor of Landuse.

(Turn Over)

- Elucidate how is landuse considered as the behavioural decision ? 5+5+5
2. Discuss principles of land utilization as stated by Graham and Lewis and their socio-economic relevance in present situation in India. 10+5
 3. What is waste land ? Illustrate characteristics of waste land in arid climatic region. What are the Government Policies in relation to wasteland management ? 2+5+8
 4. Discuss about the environmental impact of transformation of Wetland for urbanization with reference of East Kolkata Wetland and propose some sustainable measures to be adopted to combat with the situation. What is Ramsar Convention ? 6+6+3

Group—B

Answer any *two* questions 2×10

5. Examine the role of RS And GIS for delineation of urban and rural landuse planning in recent India. Distinguish between the typical urban and rural landuse pattern. 10
6. Define land capability and land suitability. What is agricultural efficiency and how it is measured ? 7+3

7. Elaborate the provisions of Land reforms against transformation of agricultural land to non-agricultural use of land. 10
8. Critically write down the different approaches to study agricultural geography. 10

MODULE-8

Resource Use and Management

[Marks : 50]

Group—A

Answer any *two* questions : 2×15

1. Describe different types of resources illustrating their characteristics. How do technology and culture influences on resource generation ? 7+8
2. Discuss the objectives of agro forestry. How are economic and environmental sustainability related to resource availability and use ? Propose some alternative methods of production for the sake of conservation of agricultural resources. 5+5+5
3. Enumerate different hazards arising out of misuse of water resource. Assess the importance of increasing reliance of nonconventional energy resource. 5+10

4. Discuss about different techniques adopted for maintaining reserve level of mineral resource. Examine the importance of inter-regional transfer of resources in ensuring development. 10+5

Group—B

Answer any *two* questions

2×10

5. How does decentralization of resource management help in sustainable development. Assess the need for human resource development. 5+5
6. Illustrate the importance of sea as a source of food, energy and minerals. 10
7. Elucidate different method for checking soil erosion. How does regional disparity arise out of National Policy ? 5+5
8. Write a short notes on : 5+5
- (i) Biodiversity conservation
 - (ii) Joint forest management.