

**2013**

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

**GEOGRAPHY**

**PAPER—VIII**

*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.*

*Write the answer question of each module in separate books.*

**( Special Paper )**

**Module—15**

*( Coastal Management : Physical Aspects )*

*[Marks : 50]*

**Group—A**

Answer any two questions.

15×2

1. Define coast with illustrations. Enumerate the significance of coastal study. 5+10
2. Discuss the factors regulating beach gradient. Distinguish primary coast from that of secondary. 10+5

*(Turn Over)*

3. Explain the significance of coral reefs in tropical/costal system. Assess the roles of artificial sea weeds in managing coastal erosion.

10+5

4. Assess the impacts of tropical cyclone on coast. How do you monitor wave on open coast.

10+5

**Group—B**

Answer any *two* questions. 10×2

5. Write a short note on ecological and economic significance of Mangroves in coastal Sunderban.

5+5

6. Describe the process of wave refraction and its impact on coastal landforms.

5+5

7. Explain the process of evolution of Coastal dune.

8. Assess the role of long-shore and shore-normal current on sediment transfer and shaping costal land form.

5+5

**( Special Paper )**

**( Coastal Management : Human Aspects )**

**Module—16**

[Marks : 50]

**Group—A**

Answer any *two* questions. 15×2

1. Explain the concept of integrated coastal zone management. Highlight how it can be used for sustainable development of the coast.

6+9

2. Illustrate how the coast is utilised for fishing, fish processing and salt manufacturing, mentioning the environmental impacts of these activities on the coasts.

15

3. Give an account of the major environmental problems of West Bengal coast with special reference to land reclamation and tourism, and navigation. Indicate the various management options to tackle these problems.

5+5+5

4. How can remote sensing techniques be effectively used for coastal fishing activities and for the study of chlorophyll in water. Give examples.

10+5

**Group—B**

Answer any *two* questions. 10×2

5. Elucidate the environmental impact of oil spill in the near shore zone and the possible management options. 10
6. Explain the methods of monitoring surface waters in Coastal Regulatory Zone (CRZ) 10
7. Mention the major objectives of coastal dredging. What are the effects of dredging on coastal environment? 10
8. Explain the environmental impacts of sea wall and groyne on the beach. 10

**( Special Paper )****Module—15****(Regional Development)**

[Marks : 50]

**Group—A**

Answer any *two* questions. 15×2

1. Critically discuss the growth pole theory as proposed by F. Perroux. What do you mean by Development? 12+3
2. What do you understand by planning region? Divide India into different planning regions based on relevant schemes. 12+3
3. Account for the basic principles of regional planning. How do you distinguish regional planning strategies between developed and developing countries. 5+10
4. Explain Friedmann's theory on regional development perspective. What do you mean by 'World Capitalist System'? 12+3

**Group—B**

Answer any *two* questions. 10×2

5. Highlight some important methods in measuring the level of poverty in developing countries. 10
6. Elucidate the different Social Economic indicators of development. 10
7. Indicate the various thrust areas adopted in 10th and 11th Five Year Plan. 10
8. "Agropolitan development is more effective over growth pole theory in underdeveloped countries"— Explain. 10

**( Special Paper )****Module—16****( Urban Geography )**

[Marks : 50]

**Group—A**

Answer any *two* questions. 15×2

1. In the context of urban planning how urban renewal is different from urban redevelopment? Discuss the scope and prospects of urban planning in India as provided in 74th Constitutional Amendment. 5+10
2. Account for the different processes of urbanization and its impact on way of life of urban people. 5+10
3. Distinguish between basic and non-basic functions of cities. Elaborate the significance of informal sector in urban economic growth in the developing countries. 5+10
4. Discuss the factors responsible for location of ancient Indian towns . Structurally and functionally how they were different from early European towns? 2+10+3

**Group—B**Answer any *two* questions.

10×2

5. Bring out the principles of Garden city model as proposed by E. Howard. 10
6. State the application of Remote Sensing in urban land use study. 2+8
7. Metropolitanization in India has been principally associated with trade and industrialization in the twentieth century. — Justify the statement with suitable examples. 10
8. Why policy planning for environmental safeguards had been so important for over large cities? Describe the management actions suggested in this regard in our National Urban Policy document. 5+5

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