

**M.A./M.Sc. 4th Semester Examination, 2013**

**GEOGRAPHY**

**PAPER – GEO-404**

*Full Marks : 40*

*Time : 2 hours*

*The figures in the right hand margin indicate marks.*

*Candidates are required to give their answers in their own words as far as practicable*

*Illustrate the answers wherever necessary*

**Write the answers to questions of each Unit in separate books**

**Special Paper— Coastal Management**

**OPTION- 1**

**UNIT – XLIII**

*( Coastal Ecology and Hazards )*

*[ Marks : 20 ]*

*( Turn Over )*

GROUP – A

1. Answer any *one* question : 8 × 1

- (a) Explain with possible illustration, major adaptive strategies of both dune initiating and dune building plants.
- (b) Discuss, with illustrations, the possible impact of sea level rise on coastal processes and landforms.

GROUP – B

2. Answer any *two* questions : 4 × 2

- (a) Explain the formation and propagation of a storm surge.
- (b) Compare the ecological roles of sea weeds with that of the mangroves.
- (c) Explain possible impacts of tropical cyclone on a protected estuarine coast.
- (d) Explain the mechanism of long-term sea level change after Jolly.

GROUP – C

3. Answer any *two* questions : 2 × 2
- (a) Enumerate different stresses on dune vegetation.
  - (b) Why do coasts erode ?
  - (c) Why is vivapary seen in mangroves ?
  - (d) Define 'dune-slack'.

UNIT – XLIV

( *Coastal Management* )

[ *Marks : 20* ]

GROUP – A

1. Answer any *one* question : 8 × 1
- (a) Identify major environmental issues of West Bengal Coast, and explain the problems and management of any two among them.
  - (b) Explain how far the coastal regulations can be applied in tourism development at the coast with special reference to West Bengal and Orissa.

GROUP – B

2. Answer any *two* questions : 4 × 2

- (a) Explain the concept of Integrated Coastal Zone Management.
- (b) 'Dune afforestation is not a wise option along eroding coasts' – do you agree with the statement? Give reasons for your answer.
- (c) How can remote sensing technique be effectively used for fishing activities? Give examples.
- (d) What is the role of mangroves in protection of the coast with unconsolidated alluviums?

GROUP – C

3. Answer any *two* questions : 2 × 2

- (a) Identify the violations of CRZ in Rameswaram coast.
- (b) Why Digha-Shankarpur coast is severely affected by erosion problem?

( 5 )

- (c) Mention any two demerits of embanking a macro-tidal estuary.
- (d) Identify the lessons learned by people from 'aila' cyclone in the Sundarban.

[Special Paper— Urban ]

UNIT – XLIII

( *Theoretical basis of Regional planning* )

[ Marks : 20 ]

GROUP – A

1. Answer any *one* question : 8 × 1

- (a) Critically discuss the Growth pole theory as proposed by G. Myrdal and its applicability in the present day context.
- (b) Differentiate the conceptual background of balanced from unbalanced growth in the light of regional economy.

GROUP – B

2. Answer any *two* questions : 4 × 2
- (a) Elaborate the theory of dependency by Andre Gander Frank.
  - (b) Comment on the relevance of agropolitan development as a model for agrarian economics.
  - (c) Highlight the important techniques used to measure regional disparity.
  - (d) Point out some regional environmental problems related to Flood at Ghatal region in Paschim Medinipur.

GROUP – C

3. Answer any *two* questions : 2 × 2
- (a) Bring out the salient features of Basic Need-Approach by E. A. J. Johnson.
  - (b) What is the function of trickledown effect ?

- (c) What kinds of regional deprivations are being faced by the tribal people of western part of Paschim Medinipur ?
- (d) What do you understand by dependency on colonial economics ?

UNIT – XLIV

( *Planning for Regional Development* )

[ Marks : 20 ]

GROUP – A

1. Answer any *one* from the following question : 8 × 1
- (a) Discuss the role of Industries in regional development.
- (b) How do objectives and strategies of rural planning differ from that of urban planning ?

GROUP – B

2. Answer any *two* from the following questions :  $4 \times 2$
- (a) Enumerate the convergence and divergence between urban and regional planning.
  - (b) Briefly describe the structural components of Panchayet system in India.
  - (c) Assess the role of poverty in intensifying underdevelopment.
  - (d) Give an account of the programmes for providing shelter to the urban poor in India.

GROUP – C

3. Answer any *two* from the following questions :  $2 \times 2$
- (a) What do you understand by inter-regional planning?
  - (b) What do you mean by multilevel planning?



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**Special Paper— Coastal Management**

**OPTION- I**

**UNIT – XLIII**

*( Coastal Ecology and Hazards )*

*[ Marks : 20 ]*

*( Turn Over )*

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( *Coastal Management* )

[ Marks : 20 ]

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