

PG (NEW) CBCS
M.Sc. Semester-IV Examination, 2019
GEOGRAPHY
PAPER: GEO 404: SPECIAL PAPERS
(COASTAL MANAGEMENT)

Full Marks: 40

Time: 2 Hours

Use separate Answer-scripts for Unit-43 & Unit-44

UNIT-43
COASTAL ECOLOGY AND HAZARDS

Marks-20

GROUP-A

1. Answer any two questions of the following: 2×2=4
- a. What is long shore current and its effect?
 - b. What is isostatic rebound?
 - c. Why is Bay of Bengal coast more cyclone prone?
 - d. What is coastal gradation?

GROUP-B

2. Answer any two questions of the following: 2×4=8
- a. Write about the effectiveness of artificial sea weeds in coastal protection.
 - b. How do processes vary between open and estuarine coast?
 - c. Write the adaptation process of mangroves vegetation.
 - d. What is Geomorphologic mapping of coastal monitoring and research?

GROUP-C

3. Answer any one question of the following: 1×8=8
- a. Write about the possible impacts of sea level rise on West Bengal coast with special reference to Sundarbans.
 - b. What is dune morphology? Write a short note of dune building and dune reducing process in coastal areas of Bengal coast.

(Turn over)

UNIT-44
COASTAL ISSUES AND MANAGEMENT

Marks-20

GROUP-A

1. Answer any two questions of the following: 2×2=4

- a. What is coastal eutrophication?
- b. What do you mean by Integrated Coastal Zone Management (ICZM)?
- c. Why the coastal engineering structures in the form of hard structure designs are liable to failure in shore protection?
- d. *Identify the new dredging techniques in estuary management with special reference to Hugli downstream sections.*

GROUP-B

2. Answer any two questions of the following: 2×4=8

- a. Justify why Beaches and Barrier coasts are very much attractive for tourism recreation activities..
- b. Briefly explain the method of assessment of coastal vulnerability.
- c. What is coastal cell circulation system?
- d. What are the suitable environment for coral formation?

GROUP-C

3. Answer any one question of the following: 1×8=8

- a. Explain how far the impact of Global Warming is responsible for coastal habitat degradations at present with references to coral bleaching and other coastal wetlands in India.
- b. Elucidate the man-nature conflict in coastal area with special reference to Bengal coast. What is coastal Urbanization?
