

**PG CBCS**  
**MA/M.Sc. Semester-IV Examination, 2022**  
**DEPARTMENT OF GEOGRAPHY**  
 PAPER: GEO 404B  
 (COASTAL MANAGEMENT)

Full Marks: 40

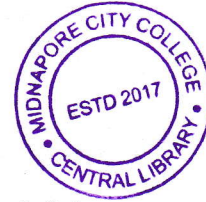
Time: 2 Hours

**Write the answer for each unit in separate sheet**

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.

**UNIT: 404B.1****COASTAL ECOLOGY AND HAZARDS**

Marks: 20

**GROUP-A****1. Answer any one question:**

1×8=8

- a) Discuss how falling sea level leads to a general abandonment of coastal features.
- b) Discuss the adaptation procedures of mangroves in a deltaic environment.

**GROUP-B****2. Answer any two questions:**

2×4=8

- a) How does Kelp Forest provide an extensive ecosystem from sea floor to ocean surface?
- b) Assess the impact of long shore drift on coastal erosion.
- c) Illustrate the process of storm-induced sediment transport in shallow coast.
- d) Examine the mechanism of vegetation succession at dune slack.

**GROUP-C****3. Answer any two questions:**

2×2=4

- a) What is successional perturbation?
- b) Mention the ecological importance of Wrack zone.
- c) Write the name of dune initiating plants.
- d) What is isostatic rebound?

(Turn Over)

(2)

**UNIT: 404B.2**

**COASTAL ISSUES AND MANAGEMENT**

**Marks: 20**

**GROUP-A**

**1. Answer any one question:**

**1×8=8**

- a) What are the problems a coast experiences as the result of global sea level rise? How do you manage those problems?
- b) Briefly discuss about the hard-structural and soft-structural techniques for coastal erosion management.

**GROUP-B**

**2. Answer any two questions:**

**2×4=8**

- a) Enumerate the causes of Coral Bleaching.
- b) Write a short note of impact of land reclamations in Sundarban.
- c) Examine the role of ICZM in management of coastal hazards and costal vulnerabilities.
- d) Write the various methods of coastal habitat conservation.

**GROUP-C**

**3. Answer any two questions:**

**2×2=4**

- a) Write the ecological significance of mangrove.
- b) Why is coastal management important?
- c) What is Coastal Vulnerability Index?
- d) What is the significance of CRZ-IV?

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