

## Outline Map of World

Roll No. ....

Total Pages : 2

**CMDQ/M-24**

**5554**

### COASTAL GEOMORPHOLOGY

Paper–M–GEO–403(iv)

Time Allowed : 3 Hours]

[Maximum Marks : 70

**Note** : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

#### Compulsory Question

1. Write short notes (not more than 50 words for each) on the following :
  - (a) Shoreface.
  - (b) Instantaneous time scale.
  - (c) Eustatic Sea level change.
  - (d) Amphidromic point.
  - (e) Wave height.
  - (f) Coastal dunes.
  - (g) Integrated Coastal Management.

#### UNIT–I

2. Discuss in detail “Time as a factor in coastal Geomorphology”.

3. How does coastal classification indicate that Environmental factors are important in shaping the coast? Discuss.

#### UNIT–II

4. Define the Wave. Analyze and discuss the characteristics of Natural waves.
5. Define the Tides. Discuss in detail the Astronomical Tide-Generating force.

#### UNIT–III

6. Discuss the main erosional processes on rocky coast. Illustrate with diagram the resultant landforms.
7. Discuss in detail the origin, classification and distribution of dunes along the sea coast.

#### UNIT–IV

8. What is Integrated Coastal Management? Discuss in detail the coastal management framework.
9. Define Sea level change. Discuss in detail the causes for sea level change.