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**PG CBCS**  
**M.A. & M.SC. Semester-III Examination, 2021**  
**GEOGRAPHY**  
**PAPER: GEO 303B**  
**(COASTAL MANAGEMENT)**

**Full Marks: 40****Time: 2 Hours**

The figures in the right-hand margin indicate full marks.  
 Candidates are required to give their answers in their own words as practicable.  
 Illustrate the answers wherever necessary.

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

**GROUP/UNIT**

(GEO 303 B.1: COASTAL PROCESSES)

**Answer any TWO questions from the following:**

**2×10=20**

1. Elucidate the mechanism of wave refraction and illustrate the landform developed by it.
2. Make a comparative analysis between dissipative and reflective coast citing examples.
3. Explain with illustration the mechanism of energy dissipation in spilling and plunging breakers.
4. 'Energy and mass transfer through longshore current regulates the coastal environment.' – Justify.
5. Explain the formation of rip cells under different situations along a coast.

**GROUP/UNIT**

(GEO 303 B.2: COASTAL ENVIRONMENTS: FOCUS ON INDIAN REGIONS)

**Answer any TWO questions from the following:**

**2×10=20**

1. Illustrate the morphological characteristics of estuary in tide dominated Bengal coast.
2. Examine the importance of environmental zoning in the management of coastal environment.
3. Assess the human interventions along wave dominated coast in West Bengal.
4. Briefly discuss on the modification of West Bengal coast in connection to recent cyclonic storms.
5. State the various measures to control coastal erosion with special reference to West Bengal coast.

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