

Total No. of Questions : 6]

SEAT No. :

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[5228]-202

M.A./M.Sc.

GEOGRAPHY

**Gg-210 : Coastal Geomorphology
(2013 Pattern) (Semester - II)**

Time : 2½ Hours]

[Max. Marks : 38

Instructions to the candidates:

- 1) *Attempt any two questions from Q.1 to Q.4.*
- 2) *Questions 5 and 6 are compulsory.*
- 3) *Draw figures / Maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and calculator is allowed.*

- Q1)** a) What is spatial scale in coastal geomorphology? [2]
b) Write a short note on “tides and coastal landforms”. [4]
c) What are shore currents? Explain how different types of currents are produced. [4]
- Q2)** a) What are flood and ebb currents? [2]
b) What are storm waves and standing waves? [4]
c) Write a note on fossil beach ridge. [4]
- Q3)** a) What is wave diffraction? [2]
b) Write a note on sea cliffs and caves. [4]
c) Explain the estuarine hydrodynamics. [4]
- Q4)** a) Define coastal sediments. [2]
b) Write a note on corals and coral reefs. [4]
c) Write a note on morphodynamics of deltas. [4]
- Q5)** a) Explain the mechanism of sea level changes. [4]
b) What are clastic and biogenetic sediments? Explain their sources in coastal environment. [5]
- Q6)** a) Describe the equilibrium theory of tides. [4]
b) Discuss the causes of salt water intrusion and subsidence of coastal aquifers. [5]

