

Total No. of Printed Pages—3

**6 SEM TDC DSE GGR (CBCS) 3 (H)**

**2 0 2 4**

**( May )**

**GEOGRAPHY**

**( Discipline Specific Elective )**

**( For Honours )**

**Paper : DSE-3**

**( Hydrology and Oceanography )**

**Full Marks : 80**

**Pass Marks : 32**

**Time : 3 hours**

*The figures in the margin indicate full marks  
for the questions*

1. Answer the following as directed : 1×8=8

(a) The seabed sloping gradually and bordering the continent is known as \_\_\_\_\_.

(Fill in the blank)

( 2 )

(b) The deepest ocean of the world is \_\_\_\_.

(Fill in the blank)

(c) The rhythmic rise and fall of ocean water twice in a day is called \_\_\_\_.

(Fill in the blank)

(d) Brazil Current of the Atlantic Ocean is a cold/warm current.

(Choose the correct answer)

(e) Mention the formula to calculate river discharge.

(f) The point at which two rivers or streams join is known as \_\_\_\_.

(Fill in the blank)

(g) Who propounded the subsidence theory of formation of coral reefs?

(h) The lateral flow of infiltrated rainwater in the soil zones is called \_\_\_\_.

(Fill in the blank)

2. Write short notes on any four of the following :

4×4=16

(a) Systems approach in hydrology

(b) Characteristics of river basins

(c) Factors affecting ocean current

( 3 )

(d) Horizontal distribution of ocean temperature

(e) Factors affecting run-off

3. Answer any four of the following long answer-type questions : 14×4=56

(a) What is a hydrological cycle? Discuss the anthropogenic impact on the hydrological cycle. 4+10=14

(b) Discuss the causes and consequences of flood in India. Mention some suggestions for its mitigation. 6+4+4=14

(c) Describe, in detail, the bottom relief of the Indian Ocean. 14

(d) Give an account of the horizontal distribution of oceanic salinity and point out the major factors that control it. 8+6=14

(e) What are ocean deposits? Give an account of distribution of various types of deposit found on the ocean floor. 4+10=14

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