

Total No. of Printed Pages—3

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

2 0 2 3

(May/June)

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 questions as directed : 1×8=8

(a) The northern part of the Mid-Atlantic
ridge is known as _____.

(Fill in the blank)

(Turn Over)

(2)

- (b) Mention a formula to calculate runoff.
- (c) Mention any two outputs in the hydrological system.
- (d) Mention any two causes of flood in Assam.
- (e) Which is the largest ocean?
- (f) What is an atoll?
- (g) Mariana Trench is found in _____ ocean.

(Fill in the blank)

- (h) The coastal part of water bodies of the oceans which is structurally part of the mainland of the continents is called _____.

(Fill in the blank)

2. Write short notes on any four of the following : 4×4=16

- (a) Types of precipitation
- (b) Measurement of river discharge

P23/862

(Continued)

(3)

- (c) Bottom relief of Indian ocean
- (d) Vertical distribution of oceanic salinity
- (e) Types of coral reefs

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

- (a) What is a hydrological cycle? Describe the different types of inputs and outputs in the hydrological cycle.

4+5+5=14

- (b) What is a runoff? Write about the different types of runoff.

4+10=14

- (c) Write elaborately about the currents of Pacific Ocean with a suitable diagram.

11+3=14

- (d) Write about the causes and impact of drought in India.

7+7=14

- (e) Discuss the factors influencing the distribution of temperature of ocean water. Write on the horizontal distribution of ocean temperature.

7+7=14

- (f) What are coral reefs? Discuss the subsidence theory of the origin of coral reefs.

14

P23—800/862

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