

April 2025
B.A./B.Sc.
Fourth Semester
CORE – 8
GEOGRAPHY
Course Code: GGC 4.11
(Hydrology & Oceanography)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. Describe the nature and scope of hydrology. 14
2. What are the elements of hydrological cycle? Explain them briefly. 4+10=14

UNIT-II

3. What is a drainage basin? Describe drainage basin characteristics with suitable diagrams. 3+11=14
4. How does drainage basin hydrological cycle operate? Explain with suitable diagram. 14

UNIT-III

5. What is ground water? Write notes on the occurrence of ground water with diagram. 2+10=14
6. Explain the causes and consequences of water depletion by citing local examples. 14

UNIT-IV

7. What is ocean current? Explain either the currents of the Atlantic Ocean or the currents of the Indian Ocean with the help of a diagram. 2+12=14

8. Discuss the general surface configuration of the ocean floor with the help of a suitable diagram. 14

UNIT-V

9. What are coral reefs? Describe different types of coral reefs with suitable diagrams. 2+12=14
10. Explain the origin of coral reefs according to subsidence theory of Darwin with a diagram. 10+4=14
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