

2020

GEOGRAPHY — HONOURS

Paper : CC-6

(Hydrology and Oceanography)

Full Marks : 50

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

Group - A

Answer **any five** questions (each within **50** words).

2×5

1. What is evapotranspiration?
2. What is connate water?
3. What is an aquitard?
4. Why is it necessary to harvest rain water?
5. Mention any two major threats to coral reefs.
6. What is coastal upwelling?
7. What is meant by 'eustatic change' of sea level?

Group - B

Answer **any four** questions (each within **150** words).

5×4

8. Write a brief note on the physical role of global hydrological cycle.
9. How does infiltration control run off?
10. Classify marine resources.
11. Explain T-S diagram.
12. Explain the development of a coral island.
13. What are the different types of tide? Discuss with diagrams.

Please Turn Over

Group - C

Answer *any two* questions (each within **500** words).

10×2

14. Discuss the different components of rainwater harvesting.
 15. Discuss in detail the factors controlling recharge, discharge and movement of groundwater.
 16. Discuss the characteristics and origin of the major relief features of the ocean floor in the light of Plate Tectonics Theory.
 17. Explain the physical and chemical properties of ocean water.
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