

2021

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 meant by 'rain water harvesting'?
2. What is a 'perched aquifer'?
3. What do you mean by 'meteoric water'?
4. What is thermohaline circulation?
5. What is an aquiclude?
6. What are spring tides and neap tides?
7. What are submarine canyons?

Group – B

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

5×4

8. Discuss the role of evapotranspiration in controlling run-off.
9. What are the basic components of 'watershed management'?
10. What are the processes of recharging groundwater?
11. Why is drainage basin considered as a hydrological unit?
12. Mention the favourable conditions for the development of Artesian aquifers.
13. Distinguish between constructive and destructive waves.

Please Turn Over

Group – C

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

10×2

14. Explain systems approach in hydrology with reference to global hydrological cycle.
 15. Discuss the different phases of run-off cycle with suitable diagrams.
 16. Explain with suitable diagrams the factors that control ocean circulations.
 17. Discuss the favourable conditions for the growth and development of different types of coral reef.
-