



WEST BENGAL STATE UNIVERSITY
B.A./B.Sc. Honours 6th Semester Examination, 2023

GEOADSE04T-GEOGRAPHY (DSE3/4)

Time Allotted: 2 Hours

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.
All symbols are of usual significance.*

CATEGORY-A

Answer any two questions from the following within 600 words each 10×2 = 20

1. What do you mean by hydrological Cycle? Discuss global hydrological cycle with diagram. 2+8
2. What is a drainage basin? Write briefly the objectives and principles of watershed management. 2+8
3. Describe about the formation of major relief features of ocean floor in the light of plate tectonics. What is Fjord coast? 8+2

CATEGORY-B

Answer any four questions from the following within 150 words each 5×4 = 20

4. Describe the different phases of run-off cycle as suggested by Hoyt.
5. Differentiate between soil porosity and permeability.
6. What are the different ways of escape of water as vapour from the earth to the atmosphere?
7. Why is the salinity of the Mediterranean Sea being higher than the Atlantic Ocean?
8. Discuss the significance of a T-S-diagram.
9. Briefly describe the causes of sea-level change.
10. State the impact of Ice-age on hydrological cycle.

CATEGORY-C

Answer any *five* questions from the following within 50 words each

2×5 = 10

11. What do you mean by piezometric surface?
12. What is halocline?
13. What do you mean by water harvesting?
14. What is subduction zone?
15. Define deep sea trenches.
16. What is aquitard?
17. What do you mean by vadose zone?
18. What is diatom?
19. Explain the Darcy's law.