

2024

GEOGRAPHY — HONOURS

Paper : CC-10

(Soil and Biogeography)

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.*

Category - A

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

2×5

1. Which geographic region is suitable for formation of Podzol?
2. How does *solum* differ from *regolith*?
3. Define leaching.
4. What are entisols?
5. Give definition of ecosystem with example.
6. Identify the zones of coral reef biome within Indian ocean.
7. State the importance of community in ecology.

Category - B

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

5×4

8. Discuss the basic differences between Zonal, Intra-zonal and Azonal soils.
9. How do *illuviation* and *eluviation* occur in a soil profile?
10. How does NPK relate to crop production?
11. Distinguish between *ecotone* and *niche*.
12. Classify world biome after Whittaker.
13. Explain the trophic structure of a biopyramid.

Please Turn Over

Category - C

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

14. Describe the profile characteristics of chernozem soil. Specify the geographical environment of its formation. 6+4
 15. Discuss the factors, processes and management measures of soil degradation. 5+5
 16. Account for the geographical extent and characteristics of tropical rain forest biome with special reference to its biodiversity. 5+5
 17. Elaborate the causes, consequences and management of deforestation with suitable examples. 10
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