

2021

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. What is hygroscopic water in soil?
2. What is ped?
3. Distinguish between porosity and permeability of soil.
4. What is C:N ratio?
5. Explain pyramid of numbers.
6. Which forest biome is multistoried and why?
7. What is food web?

Category - B

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

5×4

8. Write a note on podsol soil profile.
9. Enumerate the soil conservation measures suitable to control gully erosion.
10. How do humans act as active agents in transforming soil?
11. What is meant by land capability?
12. Highlight the characteristics of coral reef biome.
13. What are the impacts of depletion of forests on mountain slopes?

Please Turn Over

Category - C

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

14. Give an account of soil forming factors. 10
 15. Classify soil following the USDA model. State the principles of this classification. 5+5
 16. What is meant by bio-geochemical cycles? Discuss nitrogen cycle as the most important gaseous nutrient cycle. 3+7
 17. Discuss the methods of conserving biodiversity for sustainable development. 10
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