

2023

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. Distinguish between porosity and permeability of soil.
2. What is meant by Soil air?
3. Which geographic region is favourable for laterization of soil and why?
4. State C:N ratio.
5. What do you mean by producer in Biogeography?
6. Briefly illustrate a food web.
7. Define biomass pyramid.

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Category - B

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

5×4

8. Examine the role of relief in formation of soil.
9. State the significance of soil pH in plant growth.
10. Sketch the main framework of USDA classification of soil.
11. Explain 'Detritus Food Chain'.
12. Discuss the nature and significance of energy flow in an ecosystem.
13. Highlight the characteristics of Hot Desert Biome.

Please Turn Over

Z(4th Sm.)-Geography-HICC-10/CBCS

(2)

Category - C

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

10×2

14. State the significance of texture and structure of soil.
15. Explain the role of organic matter in soil.
16. Describe nitrogen cycle with a diagram.
17. Discuss the methods of conserving biodiversity for sustainable development.

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