

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.

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

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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