

QP Code: 24/PT/15/IIB

**POST-GRADUATE DEGREE PROGRAMME**

**Term End Examination —December, 2024**

**GEOGRAPHY**

**Paper-IIB : SOIL & BIOGEOGRAPHY**

Time : 2 hours ]

[ Full Marks : 50

Weightage of Marks : 80%

**Special credit will be accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting. The weightage for each question has been indicated in the margin.**

**Section - A**

Answer any *three* questions :

10 × 3 = 30

1. Throw light on the Pedogenic regime. Discuss the genetic classification of soils. 4 + 6
2. Discuss the causes and consequences of soil erosion. Suggest any four soil conservation measures. 4 + 4 + 2
3. What is plant ecology ? Write an account of the climatic factors of habitat adaptation. 2 + 8
4. Discuss the causes and impacts of deforestation. Add a note on one significant forest conservation movement. 4 + 4 + 2
5. Classify world biomes. Write about the plant and animal kingdom of tropical rain forest biome. 2 + 8
6. Evaluate the impact of human-induced climate change on species distribution and ecosystem services.

*Photocopy is strictly prohibited*

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**Section - B**

7. Answer any *five* questions : 4 × 5 = 20
- a) Describe soil catena with diagram.
  - b) Discuss the role played by nutrients and organisms in determining soil fertility.
  - c) Differentiate Pedon from Polypedon.
  - d) Mention five major basic principles of ecology.
  - e) Discuss PFM with example
  - f) What are the National Forest Policies in India ?
  - g) Mention the significance of soil pH.
  - h) Discuss MAB.
  - i) Write a note on bio-diversity conservation.
  - j) "Wildlife protection is important for the physical ecosystem as well as the neighbouring social ecosystem" — Enumerate this statement.
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