

Q.P. Code : 26644

[Time: 2½ Hours]

[Marks:60]

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory.
 2. Draw neat labelled diagrams wherever necessary.
 3. Figures to the right indicate full marks.

- Q. 1** What is food chain? Describe in detail the various types of food chains. (12)
- OR**
- Q. 1** a) Explain seed output and seed viability as parameters of autecology. (12)
b) Describe in brief Liebig's Law.
- Q. 2** Discuss the concept of climax, disclimax and subclimax. (12)
- OR**
- Q. 2** Describe how plant and plant communities are used as indicators of forests and grasslands. (12)
- Q. 3** With reference to nitrogen cycle, discuss the role of nitrogen in plant metabolism and biosphere. (12)
- OR**
- Q. 3** Describe phosphorus cycle. Add a note on its ecological functions. (12)
- Q. 4** What is biociation? Discuss biociation of alpine and desert biomes. (12)
- OR**
- Q. 4** Explain Gap dynamics. Give the importance of Gap dynamics. (12)
- Q. 5** Write short notes on **any three** of the following: (12)
- a) Pyramid of energy
 - b) Food Web
 - c) Forest resources
 - d) Tropical biomes
 - e) Estuarine biota
 - f) Uses of sea weeds
