



Date: 01-11-2018  
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

**PART- A**

**Answer the following, each within 50 words.**

**(10×2=20marks)**

1. What is an ecotype?
2. Differentiate autecology from synecology.
3. Write notes on ecesis.
4. What is a red data book?
5. Mention any four vegetational types in Tamil Nadu.
6. Define continental drift.
7. Comment on silvics
8. Mention any two biosphere reserves in India.
9. Define Remote sensing
10. Mention any two features of Indian Forest Act1927.

**PART- B**

**Answer the following, each answer within 500 words. Draw diagrams wherever necessary.**

**(5×7=35 marks)**

11. (a) Write notes on ecological pyramids and food web.

**(or)**

(b) Discuss the salient features of grassland ecosystem.

12. (a) Explain the Quadrat method to study vegetation of a particular area.

**(or)**

(b) Elaborate the various morphological and anatomical adaptations in xerophytes.

13. (a) Discuss the floristic regions of the world .

**(or)**

(b) What are various centers of origin by Vavilov.

14. (a) What is a national park? Name any 5 national parks in India and their importance.

**(or)**

(b) Write notes on Forest fire and its impact.

15. (a) What is the Wild life Protection Act (1972). Mention the importance of this act.

**(or)**

(b) Explain in detail about various major forest products.

### **PART- C**

**Answer any three of the following, each within 1200 words. Draw diagrams wherever necessary.**

**(3×15=45 marks)**

16. What is ecology? Mention the various types of abiotic, biotic and edaphic factors in an ecosystem.

17. Write an essay on Hydrosere .

18. What is endemism? Explain the distribution types and theories on endemism.

19. Write notes of on: a)Shifting cultivation b)Encroachment c)Social forestry .

20. Explain the objectives and principles of forest management.

\*\*\*\*\*