The figures in the margin indicate full marks for the questions.

Attempt 10 (ten) questions taking 5 (five) questions from each section.

SECTION - A

1. What is Agroforestry? Discuss briefly the management of tree and crops under Agroforestry System. (3+7=10)

2. Discuss the need, concept and scope of Social Forestry. (10)

3. Write notes on: (2×5=10)
   (a) Shelterbelts and its role in soil conservation.
   (b) Role of microorganisms in soil amelioration.

4. Describe the role of Watershed management practices in controlling flood due to run off and soil erosion. (10)

5. Discuss the different components of environment and the role of forest in environment conservation. (10)
6. Write notes on: \(2 \times 5 = 10\)
   (a) Ozone layer depletion and its consequences.
   (b) Social dynamics of deforestation.

7. What problems are associated with breeding disease resistant trees and what gains have been made? \(6 + 4 = 10\)

SECTION - B

8. What is Normal Forest? Elaborate the different attributes of Normal Forest. \(3 + 7 = 10\)

9. Write notes on: \(2 \times 5 = 10\)
   (a) Vegetation mapping using remote sensing.
   (b) Forest Working plans.

10. Define Forest Ecosystem. Elaborate the structure and function of forest ecosystem. \(3 + 7 = 10\)

11. What is NTFPs? Discuss the collection, processing and disposal of canes and bamboos. \(3 + 7 = 10\)

12. Write notes on: \(2 \times 5 = 10\)
   (a) Air seasoning
   (b) Solar dehumidification

(Contd. 3)
13. Write notes on: (2×5=10)
   (a) Shifting Cultivation
   (b) Rotational grazing