PART - A

1. Explain various methods and procedure to measure the DBH and height of a tree in a hilly terrain. (20)

2. Write short notes on:
   (a) Procedure of allotting periodic blocks in a forest
   (b) Interrelation between CAI & MAI
   (c) Forest working plan
   (d) Regeneration stock map

   (4×5=20)

3. What are the principles of remote sensing? Explain how remote sensing is used in monitoring the forest cover. (5+15=20)

4. Write short notes on:
   (a) Types of timber bridges constructed in forest areas
   (b) Characteristics and utility of a forest map
   (c) Normal forest and its attributes
   (d) Steps involved in formation of Joint forest participatory management

   (4×5=20)
5. What are the characteristic features of a rain forest? Discuss the distribution of rain forest in India with an emphasis on principal species composition. (5+15=20)

6. Write short notes on the followings: (2×10=20)
   (a) Role of ethnobotany in Indian systems of medicine
   (b) Ecological consequences of shifting cultivation

7. Write salient features of: (4×5=20)
   (a) Indian Forest Policy, 1988
   (b) Wildlife Protection Act, 1972
   (c) Forest Conservation Act, 1980
   (d) Indian Forest Act, 1927

8. Write notes on the following: (2×10=20)
   (a) Collection, processing and disposal of bidi leaves
   (b) Need and importance of wood seasoning

* * * * * * *