CSM : 15

FORESTRY
PAPER - II

Time Allowed : 3 hours Full Marks : 100

Marks for each question is indicated against it.
Attempt any 5 (five) questions taking not more than 3 (three) questions from each Part.

PART A

1. Define forest management. Discuss in detail the objectives and principles of forest management. (3+9+8=20)

2. Write an account on multipurpose development of forest resources. Add a note on development of forest-based industries. (10+10=20)

3. Write short notes on the following: (4×5=20)
   (a) Principles of height measuring instruments
   (b) Tree height as a measure of site quality
   (c) Divisional working plan
   (d) Interrelationship between CAI & MAI

4. Write short notes on the following: (4×5=20)
   (a) Practical uses of chain and compass survey in forestry
   (b) Principles of Abney’s level
   (c) Types of forest roads
   (d) Drainage in hill roads

PART B

5. What do you understand by the term ecology? Discuss in details the biotic and abiotic components of forest ecosystems. Explain how the different components interacted with one another. (3+12+5=20)

6. (a) Write a note on bamboo shoot harvesting in North-East India. (10)

   (b) Write a note on the need and importance of wood seasoning. (10)
7. How is forest fire classified? Explain various causes of forest fire. Suggest few preventive measures in fire-prone forest areas. (7+6+7=20)

8. Write short notes on the following: (4×5=20)
   (a) Salient features of Wildlife Protection Act 1972
   (b) Forest certification
   (c) Tiger census methods
   (d) Eco-tourism

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