

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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