

**CSM : 22**

**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. Explain the diagram how annual yield of a forest is regulated by using Von Mentel's method. Provide formulae wherever necessary. **(20)**
2. What is forest planing? Discuss the monitoring tools and approaches for integrated planning. **(20)**
3. Describe the methods by giving appropriate formulae, for calculating tree height, for each case of 'leaning trees'. **(20)**
4. What are the objectives of forest surveying? How does topographic survey help in proper forest planning and management? **(20)**

**PART - B**

5. (a) Define ecological succession. Discuss the structural and functional changes that occur in a forest ecosystem during succession. **(10)**  
(b) Explain the classification of forest types in India by Champion and Seth. **(10)**
6. Explain in detail the procedure of manufacturing plywood and mention the various uses of plywood. **(20)**
7. (a) What is controlled grazing? How does controlled grazing helped in the better management of forest pasture land? **(10)**  
(b) Describe the benefits and limitations of chemical and biological control diseases in forest nurseries and plantations. **(10)**
8. Mention the salient features of National Forest Policy, 1988 and discuss it superiority over National Forest Policy, 1894. **(20)**

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