

CSM : 14

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. Write short notes on the following: **(4×5=20)**
 - (a) Commercial forests.
 - (b) Yield regulation.
 - (c) Joint forest participatory management.
 - (d) Forest cover monitoring.
2. (a) What do you mean by forest enumeration? Explain the factors which decide the choice of enumeration to be undertaken in a forest. **(10)**

(b) What do you understand by Sustainable Forest Management? How can joint Forest Management be an effective tool for sustainable management of Indian forests? **(10)**
3. What is Geographical Information System (GIS)? Describe its application in forest management and modeling. **(5+15=20)**
4. (a) What is a topographical survey? What are its applications? **(5)**

(b) How can measuring be carried out in chain survey when obstacle can be seen across but not chained around? **(5)**

(c) Write the advantages and disadvantages of plain table survey. **(5)**

(d) Explain the types of maps used in forestry and their importance. **(5)**

PART B

5. What do you mean by ethnobotany? Explain the role of ethnobotany in the Indian system of medicine with special reference to discovery of new drugs. **(4+16=20)**
6. (a) Differentiate between: **(2×5=10)**
(i) Gum and Resin.
(ii) Essential oil and Fixed oil.
- (b) Explain the following: **(2×5=10)**
(i) Scope of Rattans in forest based industry.
(ii) Methods of Charcoal making.
7. Define shifting cultivation. Explain how shifting cultivation affects forest protection and wildlife conservation. Give the remedial measures out of it. **(4+8+8=20)**
8. Compare and contrast National Forest Policies of 1952 and 1988 with special reference to salient improvement in promoting social empowerment. **(20)**

* * * * *