

CSM : 24

FORESTRY PAPER - II

Time Allowed : 3 hours

Maximum Marks : 100

QUESTION PAPER SPECIFIC INSTRUCTIONS

(Please read each of the following instruction carefully before attempting questions)

There are eight (8) questions - four (4) questions each in Part A & B. Each question carries 20 marks.

Marks for each question is indicated against it.

Compulsory questions :

- (a) Question No. 1 from Part-A and
- (b) Question No. 5 from Part-B

[Compulsory questions No. 1 & 5 have 4 (four) Sub-questions carrying 5 marks each.]

Total No. of questions to be attempted :

5 (five) questions.

[A candidate shall attempt 2 (two) compulsory questions from Part A and B. Out of the remaining 6 (six) questions, 3 (three) are to be attempted taking at least 1 (one) but not more than 2 (two) questions from each Part]

Word Limit:

- (a) Compulsory questions carrying 5 marks shall have a limit of 150 words.
 - (b) There shall be no word limit for the remaining questions.
-

PART - A

1. Answer the following: (4×5=20)
 - (a) Give a brief account of various applications of remote sensing in forestry.
 - (b) What is a volume table? Give brief classifications of volume tables used in forestry.
 - (c) Advantages and disadvantages of compass surveying.
 - (d) What is forest growing stock?
2. Discuss different approaches for the management of forest plantation. Describe the steps involved in formation of forest management committee. (10+10=20)
3. What are working plans and working schemes and their role in forest management? Give a detailed account of various steps used for preparing a working plan. (8+12=20)
4. What are the standard rules for taking breast height measurement in India? Write the procedure in detail to measure the height of a tree in a sloppy land. (8+12=20)

PART - B

5. Write notes on the following: (4×5=20)
 - (a) What do you understand by a forest ecosystem? Briefly explain about the forest community concept.
 - (b) Highlight the salient features of Forest Conservation Act, 1980.
 - (c) Main characteristics of a wood preservative.
 - (d) How shifting cultivation affects forest conservation in Mizoram?
6. Give a detailed account of major Non-Timber Forest Products (NTFP) in Mizoram. What measures do you suggest for sustainable utilization of NTFP resources in the state? (15+5=20)
7. Discuss various *in situ* and *ex situ* forest conservation techniques in India. Describe nitrogen cycling in forests with particular reference to tropical moist forest. (10+10=20)
8. Discuss the significance of socioeconomic analysis of forest productivity and attitudes. Describe the methods used for the evaluation of various forest goods and services. (5+15=20)

* * * * *