

CSM—32/23
PART—II/PAPER—VI
FORESTRY
PAPER—I

**Candidate
must not
write on
this margin.**

Time : 3 Hours

Full Marks : 250

*The question paper contains **18 (Eighteen)** questions
in **GROUP—A (12)** and **GROUP—B (06)** together.*

GROUP—A

*Candidates to attempt **10 (ten)** questions within word limit of **250**.
Each question carries **15** marks.*

1. Discuss the relation of silviculture with forestry and its branches.
2. Differentiate between silvics and silviculture. List out the objectives of silviculture.
3. Discuss the importance of diameter growth of trees. Write down the factors affecting the diameter growth.
4. Write down the classification of forests based on the methods of regeneration, age and composition.
5. Describe the effect of air temperature on forest vegetation.
6. Explain the terms commensalism, mutualism, and symbiosis with suitable examples.
7. What are the main sources of moisture for plants? Mention the importance of moisture for physiological activities of the plants.
8. What is humus and what are its types? Write down the beneficial effects of humus on soil properties.

9. "Fire is said to be a good servant." Justify this statement.
10. Mention vegetative propagation in plants by coppice and root suckers methods.
11. What factors are considered for the choice between artificial and natural regeneration?
12. "Nurseries have an important place in artificial regeneration." Explain.

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write on
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GROUP—B

*Candidates to attempt 05 (five) questions within word limit of 300.
Each question carries 20 marks.*

13. Describe the kinds of succession based on moisture conditions and presence or absence of vegetation in place. Explain the initial causes of primary and secondary successions.
14. What are frost cracks, frost hardy and frost tender species? Write a note on internal factors affecting frost resistance.
15. What do you mean by pathogenic and non-pathogenic diseases? What are the symptoms indicating the beginning of a disease in tree? Write on the methods for the control of such diseases in trees.
16. Write the objectives and organizational structure of working plan.
17. Discuss the role of forest on interception and infiltration.
18. Write down the characteristics and purposes of industrial, home and farm, agroforestry and environmental plantations.

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