

CSM—33/23
PART—II/PAPER—VII
FORESTRY
PAPER—II

**Candidate
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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. Write in detail on the conditions regulating use of depot permits under the Orissa Timber and other Forest Produce Transit Rules, 1980.
2. Discuss village forests under Chapter III of the Orissa Forest Act, 1972.
3. Write on the constitution of authorities by the Central Government, State Government and Union Territory under the Wildlife (Protection) Act, 1972. What are the duties of Wildlife Advisory Board of the State Government?
4. Write a detailed note on the protective role of forest. What are the causes of degradation and deforestation of forests?
5. Write down the classification of animals based on population size and habitat area according to IUCN. What are the causes of wildlife extinctions?
6. Describe environmental, economic and social benefits of Agroforestry.
7. What is shelterbelt? Write down the objectives and main characteristics of shelterbelts. List out the tree and shrub species suitable for shelterbelts.

8. What conditions are considered good for perfect markets? Write a note on the types of imperfect markets.
9. Write down the methods of wasteland reclamation.
10. Write on the causes of deforestation due to mining. Discuss the impacts of deforestation due to mining on environment and ecosystem.
11. Discuss the concept and functions of extension education.
12. What is *ex-situ* conservation? How does it differ from *in-situ* conservation? List out *ex-situ* conservation measures, its advantages and limitations.

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GROUP—B

Candidates to attempt 05 (five) questions within word limit of 300.

Each question carries 20 marks.

13. Differentiate between clonal and seedling seed orchards. Write down the important points required for establishment and maintenance of clonal seed orchards.
14. Discuss the main steps of paper making process.
15. Write down the classification of forest roads based on the function and period of use. List out the features of cross-section of roads.
16. Write in detail on Christen's hypsometer and its method of graduation. List out the advantages and disadvantages of Christen's hypsometer.
17. What do you know about tannins, their properties and classification? Discuss various tannin yielding plants.
18. Differentiate between gums and resins. Write on rill method and borehole method of resin tapping along with their advantages and disadvantages.

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