

CSM—33/24
PART—II/PAPER—VII
FORESTRY
PAPER—II

**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. Explain the law of demand and supply in the context of forest products. How do price and non-price factors influence the demand of forest products?
2. Examine the current status of wildlife conservation in Odisha. What are the major threats and challenges faced by the State in wildlife conservation?
3. Comment on the Odisha Timber and Other Forest Produce Transit Rules, 1980, explaining its key provisions. Why is transit regulation important for preventing illegal felling and smuggling?
4. Compare Wildlife Sanctuaries and National Parks in terms of their legal protection levels, regulatory framework under the Wildlife (Protection) Act, 1972 and management priorities. Using Odisha as a case study, describe its major National Parks and Wildlife Sanctuaries and analyse how these protected areas contribute to ecological stability, habitat preservation and species conservation.

5. Identify the major extension challenges limiting the widespread adoption of agroforestry and suggest strategies to overcome these constraints.
6. Critically analyze the evolution of the focus and strategy of forest development from commercial to integrated one through the various Five-Year Plans of India, from the First Plan to the Twelfth Plan.
7. What are the key ecological, economic and management-related criteria used for selecting tree and crop species in agroforestry systems? Explain the scientific basis for each criterion. What are Multipurpose Tree Species (MPTs) in agroforestry? Discuss their roles, functions and advantages in enhancing productivity, sustainability and livelihood security.
8. Describe the different types of values associated with forests (use, non-use and indirect values). How are these values estimated?
9. Describe the classification of agroforestry systems in India with suitable examples.
10. Describe the socioeconomic attributes influencing forest productivity. How do communities, labour availability and local institutions shape forest outcomes?
11. Describe the formation, mandate, significance and contribution of the National Wasteland Development Board.
12. Discuss the problem of human-wildlife conflict in Odisha. What strategies are used to mitigate conflicts with elephants, leopards and other wildlife?

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

GROUP—B

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

Each question carries 20 marks.

13. Write a note on yield tables. What are their types and applications in forestry?

14. Define provenance and seed source. Explain their importances in forestry with suitable examples.
15. Examine the significance of medicinal plants as NWFPs in India. Discuss major species, collection methods, conservation issues and value-addition opportunities.
16. Explain the process for seasoning of wood. What are the different methods of seasoning and how do they influence wood quality?
17. Explain the concept of form factor. What are artificial and true form factors and how are they applied in practice?
18. Describe the different methods of surveying used in forestry. Discuss their principles, applications and limitations.

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

★ ★ ★



SPACE FOR ROUGH WORK

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

