

CSM – 31/18
Forestry
Paper – II

Time : 3 hours

Full Marks : 300

The figures in the right-hand margin indicate marks.

*Candidates should attempt Q. No. 1 from
Section – A and Q. No. 5 from Section – B
which are compulsory and **three** of
the remaining questions, selecting
at least **one** from each Section.*

SECTION – A

1. Attempt any **three** from the following :
 - (a) Give brief account on choice of species for an agroforestry system. 20
 - (b) How biotic factors are responsible for deforestation ? Discuss. 20
 - (c) Why wild life conservation ? Comment. 20
 - (d) Explain Odisha Forest Act, 1972. 20

2. (a) How different landuse patterns have influenced the forest cover in Odisha ? Explain. 20
- (b) What is the role of non-wood forest products in agroforestry ? Give detailed comments on different components. 20
- (c) How will you estimate the demand and supply of any forest product ? 20
3. (a) What is the role of different tribes in conservation of forest wealth ? Explain. 20
- (b) Describe Odisha timber and forest produce transit rules, 1980. 20
- (c) Summarise food, fodder and fuelwood security under extension forestry. 20
4. (a) Compare Indian Forest Policies of 1952 and 1988. 20
- (b) Give brief account of common game animals and birds. Give references from Odisha. 20
- (c) Explain different agroforestry systems under different agroecological zones. 20

SECTION – B

5. Attempt any three from the following :
- (a) How will you proceed for volume determination of a stand ? Explain in detail.
20
 - (b) Compare anatomical features of softwoods and hardwoods. Support with suitable diagrams.
20
 - (c) What are tans and dyes ? List the important tan and dye yielding species.
20
 - (d) What are seed orchards ? Explain the different kinds of forest seed orchards.
20
6. (a) Discuss the different sampling methods used for forest enumeration.
20
- (b) What is polyploidy ? Discuss it in relation to tree crops.
20
 - (c) Describe the natural defects in timber.
20
7. (a) Why scientific logging is important ? Explain general rules for felling of trees in a forest.
20

- (b) What is the role of yield tables in forestry ?
Explain. 20
- (c) Enlist different methods of forest surveying.
Explain plane table method in detail. 20
8. (a) Enlist different physical and mechanical
properties of wood and the factors influencing
wood strength. 20
- (b) What is the importance of maps in forestry ?
Explain. 20
- (c) Compare composite and improved woods.
20

