

FS – 16 / 15-16

Forestry

Paper – II

Time : 3 hours

Full Marks : 200

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 any **three** of
the remaining questions, selecting
at least **one** from each Section.*

SECTION – A

1. Attempt any **two** of the following : $20 \times 2 = 40$
- (a) Is sustained yield possible ? Explain all management principles behind it.
 - (b) Why form factor is essential for volume estimation of a stand ? Explain different types of form factors.
 - (c) Explain the role of plane table surveying in forestry.

2. (a) How village forest committees are formed ?
Explain their role in forest management in
Odisha. 14
- (b) How divisional working plan is helpful in
scientific management of a forest ?
Comment. 13
- (c) What is the role of remote sensing in forestry
management ? Explain. 13
3. (a) Wood joining plays an important role
in construction of timber bridges.
Comment. 14
- (b) Explain the management of Mangrove
forests. 13
- (c) Compare between volume and yield tables.
13
4. (a) Do normal forests exist ? Comment. 14
- (b) Give conservation strategies for forest
biodiversity. 13
- (c) Explain different sampling methods for forest
enumeration. 13

SECTION – B

5. Attempt any **two** of the following : $20 \times 2 = 40$
- (a) Give salient features of National Forest Policy, 1988.
 - (b) Explain the role of afforestation in carbon sequestration.
 - (c) How refractory nature of wood affects the wood seasoning ? Explain.
6. (a) Give all the steps involved in rayon making. 14
- (b) Ethnobotany is more prevalent in tribal belts of Odisha. Comment. 13
- (c) Write short note on the valuation of forest goods and services. 13
7. (a) Write an essay on forest encroachments and remedial measures under Indian Penal Code to forestry. 14
- (b) Plywood is a balanced construction. Give your comments and explain its manufacturing process. 13

- (c) Give your viewpoint on management of wild life and its impact on forests. 13
8. (a) Explain the problems in Odisha caused by wildlife depredation in Odisha and remedies suggested therefore. 14
- (b) Explain the methods used for extraction of resins and gums from forest trees. 13
- (c) Is planning of logging and extraction necessary ? Explain different logging systems. 13



- (a) Write an essay on forest encroachments and remedial measures under Indian Penal Code. 14
- (b) Plywood is a balanced construction. Give your comments and explain its manufacturing process. 13
- (c) Write short note on the valuation of forest goods and services. 13