

FORESTRY

Paper—II

Time : Three Hours

Full Marks : 300

*Candidates should attempt Question No. 1 from Section-A and Question No. 5 from Section-B which are compulsory, and any **THREE** of the remaining questions, selecting at least **ONE** from each Section. All questions carry equal marks.*

SECTION—A

1. Answer any **THREE** from the following :—
 - (a) Discuss role of corporate financing in forestry sector. 20
 - (b) Write a note on Forest Conservation Act, 1980. 20
 - (c) Describe relationship between tribal and forest. 20
 - (d) Give objectives and achievements of Project Tiger Scheme. 20

2. (a) How do the forest fires affect the vegetation and environment of the area ? Explain. 20
- (b) Describe briefly the basic objectives of National Forest Policy, 1988 and suggestions made in it to forest based industries. 20
- (c) Give objectives and constraints of Wildlife Management. 20
3. (a) Discuss provisions made in Indian Forest Act, 1927 to reserve forests. 20
- (b) What are the concepts of agroforestry ? Describe briefly the classification of agroforestry systems based on nature of components. 20
- (c) What is actual forest cover of Orissa and what activities are going on to increase cover in the State ? Discuss. 20
4. (a) What are difference between sanctuary and national park ? Give the purpose of establishing sanctuaries and national parks in the country. 20
- (b) Enumerate the benefits of multipurpose trees. Also write the characteristics of MPTs suitable for agroforestry purpose. 20
- (c) Describe briefly various socio-economic attributes which affect the forest productivity. 20

SECTION—B

5. Answer any **THREE** of the following :—

- (a) List the different types Non Wood Forest Products. 20
- (b) Explain with example the classification and categories of Fibers and flosses. 20
- (c) Write a short note on distribution and uses of common species of bamboo found in India. 20
- (d) Define Composite Wood and explain the different forms of composite wood. 20

6. (a) Write a brief note on Seed Orchard. 30
- (b) Define Tree breeding and explain the modern methods of tree breeding. 30

7. (a) Explain the rules for measurement of height and diameter/girth of standing trees and the instruments used for it. 20
- (b) Define local Volume tables and write the method for preparation of local volume tables. 20
- (c) Write a note on Bitterlich method of point sampling. 20

8. (a) Define Chain Survey and explain the instruments used for chain survey. 30
- (b) Define Grid survey and Contour mapping. Explain the procedure for preparation of contour maps. 30