H.P.A.S. (Main)—2011

FORESTRY

Paper II

Time : 3 Hours  Maximum Marks : 150

Note :— Attempt Five questions in all. Question No. 1 is compulsory. Answer any four questions from the rest. All questions carry equal marks.

1. Differentiate between the following :  

(a) Surface fire and Ground fire
(b) Transit depot and Sale depot
(c) Gums and Resins
(d) Tension wood and Compression wood
(e) Sizing and Loading
(f) National parks and Sanctuaries.
2. Write short notes on any three of the following: 30

(a) Important rules of tree felling

(b) Forestry extension education in community development

(c) Seasoning behavior of wood

(d) Diseases of forest nursery

(e) Charcoal manufacturing.

3. What are the various methods of application of wood preservatives? Explain the pressure processes in detail. 30

4. (a) Write the objectives of wildlife conservation and management. Also discuss the problems come in the way to achieve these objectives. 15

(b) Discuss the role of forest produce in the economy of country. 15
5. (a) What is composite wood? Describe the manufacturing process of particle boards.  
(b) Write a note on relationships between tribals and forests.

6. How do forest fires affect the forest soil and vegetation? Describe various methods of extinguishing forest fires usually adopted in India.

7. (a) What is rayon? Describe briefly the manufacturing process of viscose rayon.  
(b) What is Pulping? Discuss the important processes of pulping.

8. Describe the various methods of forest survey used in hilly terrain.