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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 : 30
- (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.

P.T.O.

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. 15
- (b) Write a note on relationships between tribals and forests. 15
6. How do forest fires affect the forest soil and vegetation ? Describe various methods of extinguishing forest fires usually adopted in India. 30
7. (a) What is rayon ? Describe briefly the manufacturing process of viscose rayon. 15
- (b) What is Pulping ? Discuss the important processes of pulping. 15
8. Describe the various methods of forest survey used in hilly terrain. 30