Date: 10-05-2018   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

PART – A   (10 x 2 = 20 Marks)

Answer the following, each within 50 words.

1. Define forest ecology.
2. List out the benefits of forest.
3. What are biosphere reserves?
4. What is afforestation?
5. Write the importance of pretreatment of seeds.
6. What is extension forestry?
7. What is forest utilization?
8. Distinguish between minor and major forest products.
9. Define forest economics.
10. What is cost benefit ratio?

PART – B   (5 X 7 = 35 Marks)

Answer the following, each within 500 words; Draw diagrams and flowcharts wherever necessary

11. a. Write a brief account on any two Indian forest types.
              (or)
    b. Describe the structure of a forest ecosystem.
12. a. Write a short account on forest protection.
              (or)
    b. Mention the effect of forest fire and grazing on forest.

13. a. Explain the structural and technical aspects of nursery.
              (or)
    b. What is social forestry?Add a note on its scope, methods and benefits.

14. a. Write the importance of forest inventory in forest management.
              (or)
    b. Discuss about collection, processing and disposal of minor and major forest products.

15. a. Write briefly about Indian forest policy.
              (or)
    b. Give a brief account on the role of waste land development board and ICFRE.

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PART – C   **(3 X 15 = 45 Marks)**

*Answer **any three** of the following, each within 1200 words. Draw diagrams and flowcharts wherever necessary*

16. Write detailed notes on various factors determining forest types.

17. Explain about destructive agencies and forces of deforestation.

18. Give a detailed account on Silvicultural techniques.

19. What is forest mensuration? Describe the methods of measuring the diameter, girth, length and volume of trees.

20. Give an account on Indian forest act, 1927, Forest conservation act, 1980 and Wildlife (protection) act, 1972.

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