

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY

FIFTH SEMESTER – NOVEMBER 2016

PB 5410 – FORESTRY

Date: 11-11-2016

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. What is an ecosystem?
2. Mention the role of decomposers?
3. Distinguish between afforestation and reforestation.
4. What are sacred groves?
5. What is silviculture?
6. Define coppicing.
7. What is forest utilization?
8. Distinguish between air seasoning and kiln drying.
9. Mention the role of Indian Council of Forestry Research and Education.
10. Write a short note on Forest Conservation Act, 1980.

PART – B

(5 X 7 = 35 Marks)

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

11. a) Write briefly about the various factors determining forest types.
or
b) Give an account on the components of forest ecosystem.
12. a) Explain about destructive forces and agencies involved in deforestation.
or
b) Write an account on role of tribals in forest preservation.
13. a) Give an account of natural and artificial regeneration of forest.
or
b) Give a brief account on ecological and physiological factors influencing vegetation.
14. a) Describe the methods of measuring diameter, girth, height and volume of trees.
or
b) Write notes on minor forest products.
15. a) Write briefly on fundamental principles of forest economics.
or
b) Write notes on Indian Forest Act, 1927 and Wild life (Protection) Act, 1972.

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 in detail about the important forest types in India.
17. Write a detailed account on forest protection.
18. Give a detailed account on objectives, scope, necessity and methods of social forestry.
19. Write the importance of aerial survey and remote sensing in forest inventory.
20. Write an essay on Indian Forest Policy.
