

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



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

FIFTH SEMESTER – NOVEMBER 2016

PB 5414 – PHYTOGEOGRAPHY AND FORESTRY

Date: 11-11-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART – A

(10 x 2 = 20Marks)

Answer the following, each within 50 words.

1. What is circumaustral distribution of plants?
2. Define neo and relic endemics.
3. What is afforestation?
4. Write notes on sacred groves?
5. What is coppicing?
6. What is seed scarification?
7. Write the importance of forest inventory?
8. Distinguish between mean and current annual increment.
9. Comment on the necessity of Forest laws.
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) Give a brief account on the vegetation types of India.
or
b) Discuss the methods of dispersal, migration and isolation.
12. a) How to protect forest from adverse climatic condition?
or
b) Give an account on general forest protection against forest fire and grazing.
13. a) Describe the steps involved in the establishment and management of nurseries.
or
b) Briefly write about techniques used in Silviculture.
14. a) What is forest mensuration? Add a note on the measurement of diameter, girth and height of trees.
or
b) Write notes on major forest products.
15. a) Write briefly about the role of Wasteland Development Board and Indian Council of Forestry Research and Education.
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. Give a detailed account on centers of origin and diversity of plants.
17. Write an essay on the role of tribals in forest preservation.
18. What is social forestry? Add a note on objectives, scope, necessity and methods of social forestry.
19. Give a detailed account on scope, objectives and uses of remote sensing in forest management.
20. Write an essay on the objectives, essentials and strategies of Indian Forest Policy.
