



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – NOVEMBER 2015

PB 5414 - PHYTOGEOGRAPHY AND FORESTRY

Date : 14/11/2015

Dept. No.

Max. : 100 Marks

Time : 09:00-12:00

Part A

Answer the following, each within 50 words only:

(10 x 2 = 20 marks)

01. Mention the important events in the evolution of Flora.
02. Distinguish between immigrants and emigrants.
03. List any four racial stocks of tribal communities.
04. Write the names of two Biosphere reserves in TamilNadu.
05. Define agroforestry.
06. What is coppicing?
07. Define forest management?
08. Distinguish between wind breaks and shelter belts.
09. Expand ICFRE. Add a note on its activities
10. Write short notes on Wild life (Protection) Act, 1927.

PART B

(5 x 7 = 35 marks)

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

11. (a) Give a brief account on theory of land bridge and theory of continental drift.
(or)
(b) What is Endemism? Discuss the types of Endemics.
12. (a) Define: i). National park ii). Reserve forest iii). Sacred grooves iv). Biosphere Reserve
(or)
(b) Enumerate the ecological effects of Deforestation.
13. (a) Give an account of types, establishment and management of nurseries.
(or)
(b. What is social forestry? Add a note on methods and uses of social forestry.
14. (a) Describe the methods of measurement of diameter, girth and height of a tree.
(or)
(b) Give an account of management of forest resources using remote sensing technology.
15. (a) Briefly write about the principle and scope of forest management.
(or)
(b) Write notes on i. Indian Forest Act, 1927, ii. Forest conservation Act, 1980.

PART C

(3 x 15 = 45 marks)

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

16. Explain the methods adopted to protect forest crops.
17. Discuss the role of Tribes in conservation of Biodiversity.
18. Write an essay on Silvicultural techniques.
19. Give a detailed account on utilization of minor and major forest resources.
20. Write an essay on National Forest Policy.
