



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

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

**FIFTH SEMESTER – NOVEMBER 2014**

**PB 5414 - PHYTOGEOGRAPHY AND FORESTRY**

Date : 12/11/2014

Dept. No.

Max. : 100 Marks

Time : 09:00-12:00

**Part A**

**Answer all the questions, each within 50 words:**

**(10 x 2 =20 marks)**

1. What is phytogeography?
2. Define relic endemics.
3. Write short notes on sacred grooves.
4. Give the importance of reserve forests.
5. What is seed scarification?
6. Define extension forestry.
7. What is sustained yield relation?
8. How the growth of the trees is measured?
9. Define forest economics.
10. Mention the duties of waste land management board.

**PART B**

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

**(5 x 7 = 35 marks)**

11. a) Give a brief account on migration and evolution of Plants.  
(Or)  
b) Discuss the theory of Land bridge.
12. a) Enumerate the objectives of afforestation.  
(Or)  
b) Discuss the role of destructive agencies in deforestation.
13. a) Briefly write about the nursery techniques.  
(Or)  
b) Explain the techniques involved in collection, storage and pretreatment of seeds.
14. a) Write the principles and techniques involved in forest management.  
(Or)  
b) Give an account of major forest products.
15. a. Explain the principles of forest economics.  
(Or)  
b. Give the Salient features of Indian Forest policy.

**Part C**

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

**(3x 15 =45 marks)**

16. Write an essay on the various centers of origin of plants.
17. Give a detailed account on the role of tribals in forest preservation.
18. Write detailed notes on Silvicultural techniques.
19. Describe the forest utilization.
20. Give an account of a). Indian Forest Act, 1972, b). Forest Conservation act, 1980 and  
c). Wild life (Protection) Act, 1972.

\*\*\*\*\*