



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

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

**FIFTH SEMESTER – APRIL 2014**

**PB 5410 - FORESTRY**

Date : 09/04/2014

Dept. No.

Max. : 100 Marks

Time : 01:00-04:00

**PART – A**

*Answer the following, each within about 50 words only:*

**(10 x 2 = 20)**

1. What are forests?
2. Mention the role of decomposers?
3. How can reforestation be achieved?
4. What is meant by Permafrost?
5. What is silviculture?
6. Define seed - technology.
7. What are annular rings?
8. Define seasoning of wood.
9. Write notes on utilization of forest resources.
10. Mention the Wildlife Protection Act of 1972.

**PART – B**

*Answer the following, each answer within 500 words; Draw diagrams wherever necessary*

**(5 X 7 = 35)**

11. (a) Write notes on destruction of forests.  
Or  
(b) Give an account on the biotic and abiotic components of the forest ecosystem.
12. (a) Explain forest protection.  
Or  
(b) Write short notes on shifting cultivation and its impact on forests.
13. (a) Describe agro – forestry.  
Or  
(b) Give a brief account on nursery techniques.

14. (a) Describe forest mensuration.

Or

(b) Write notes on harvesting and preservation of wood.

15. (a) Write briefly on forest economics.

Or

(b) How are forests managed?

### **PART – C**

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

**(3 X 15 = 45)**

16. Give an account on the different types of forests in India.

17. Explain in detail the causes, effects and preventive measures of forest fire.

18. Give a detailed account on social forestry.

19. What is forest utilization? Explain in detail.

20. Describe in detail the various forest and wildlife laws in India.

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