

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

**B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY & PLANT BIO-TECH.**

**FIFTH SEMESTER – NOVEMBER 2009**

**PB 5410 - FORESTRY**

Date & Time: 14/11/2009 / 9:00 - 12:00 Dept. No.

Max. : 100 Marks

**PART A**

**I. Answer all the questions (20 marks)**

*I. Choose the correct answer (5 x 1 = 5)*

1. Which place receives rain from both monsoons?  
a) Ooty                      b) Nilgiris                      c) Coimbatore                      d) Yercaud
2. Afforestation of Railway strips was first practiced in  
a) Andra Pradesh                      b) Madhya Pradesh                      c) Uttar Pradesh                      d) Himachal Pradesh
3. Before 1972, how many national park in India?  
a) 4                      b) 5                      c) 6                      d) 10
4. \_\_\_\_\_ is cultivated for agro-forestry.  
a) Banana                      b) teak                      c) conifer                      d) *Eucalyptus*
5. In which system, the old crop is removed in several fellings?  
a) Intensive                      b) shelterwood                      c) extensive                      d) polycyclic

*II. State whether the following are True or False (5 x 1 = 5)*

6. The relationship between rainfall and evaporation greatly affects the soil conditions
7. Littoral forests are found at the edges of evergreen forests.
8. "Vermin" means any wild animal.
9. The National Commission on Agriculture first used the term 'social forestry' in the 1976.
10. Old crop removed in several fellings over years clear felling system.

*III. Complete the following (5 x 1 = 5)*

11. India have a forest policy since 1894. It was revised in \_\_\_\_\_ and again in \_\_\_\_\_.
12. Water from the surface of the soil reaches the atmosphere by \_\_\_\_\_ and \_\_\_\_\_.
13. The first afforestation programme is called \_\_\_\_\_ movement.
14. BMP refers to \_\_\_\_\_.
15. Tree and pasture combinations are called \_\_\_\_\_.

IV. Answer the following in about 50 words

(5 x 1 = 5 )

16. Differentiate between Mesotherms and Hekistotherms
17. What is called village forests?.
18. What is synecology?
19. Write about application of clear felling system.
20. What is Silviculture?

### **PART B**

Answer the following each in about 350 words. Draw necessary diagrams.

(5 x 7 = 35)

21. a. Write an essay on Topographic factors.  
Or  
b. Describe the main objectives of Silviculture.
22. a. What is deforestation? Discuss the ecological effects of deforestation.  
Or  
b. Discuss any five forest types of India with examples.
23. a. Discuss any ten possible uses of wood with examples  
Or  
b. Write notes on forest regeneration methods.
24. a. Discuss the important minor products produced from forest trees.  
Or  
b. Explain monitoring and tending of the forest.
25. a. Discuss forest policies and laws.  
Or  
b. Describe aerial survey and remote-sensing techniques.

### **PART C**

Answer **any three** of the following questions in about 1200 words. Draw necessary diagrams

(3 x 15 = 45)

26. Explain the characteristic features of forest community.
27. Discuss the objectives and any six programmes of afforestation.
28. Give a brief account on the history of forest development.
29. Write notes on the objectives and principles of the forest management.
30. Describe the scope and objectives of agroforestry.

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