



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

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

**FIFTH SEMESTER – NOVEMBER 2014**

**PB 5412 - AGRICULTURE & HORTICULTURE**

Date : 10/11/2014  
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

**Part A**

*Answer the following, each within 50 words:*

*(10 x 2 = 20 marks)*

1. Define agronomy.
2. Mention the characteristic features of alluvial soil.
3. What is a weed?
4. Distinguish between sprinkler and drip irrigation.
5. Mention the importance of *Azolla* in paddy cultivation.
6. Give the propagation methods for Banana and Mango.
7. Define floriculture.
8. What is topiary?
9. Differentiate carpet bed from the lawn.
10. Mention any four implement with its uses in horticulture.

**PART B**

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

*(5 x 7 = 35 marks)*

11. a. Explain the importance of organic farming in today's agriculture production.  
or  
b. Briefly explain the types of cropping pattern in Agriculture.
12. a. Describe the types of seed sowing.  
or  
b. Write notes on intercultivation.
13. a. Explain the agronomic practice followed in paddy cultivation.  
or  
b. Mention any one diseases of sugarcane and banana. Add a note on their control measures.
14. a. Define Bonsai. Explain the steps involved in bonsai.  
or  
b. How are plants cultivated in pots. Mention the do's and don'ts during repotting.
15. a. Write notes on roof garden and rockery.  
or  
b. Explain the various methods to prolong the vase life of cut flowers.

## PART C

*Answer any three of the following, each within 1200 words only. Draw diagrams and flowcharts wherever necessary: (3 x15 = 45 marks)*

16. Write an essay on Biofertilizers.
17. Explain the types of irrigation used in agriculture.
18. Explain in detail the field preparation for paddy cultivation.
19. Give an account of vegetative propagation of horticulture plants.
20. Describe the cultural practices followed in rose cultivation.

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