

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

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

**FIRST SEMESTER – NOVEMBER 2015**

**PB 1507/PB 1504 - PRINCIPLES OF HORTICULTURE**

Date : 10/09/2015  
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

**PART – A**

**Answer the following, each in about 50 words:**

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

1. Hydro Ponics
2. Olericulture
3. Green house
4. Compost
5. Carpet bedding
6. Pergolas
7. Mulching
8. Rangoli
9. Floriculture
10. Importance of cut flowers

**PART B**

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

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

11. a. Discuss the history of gardening in India.  
Or  
b. Write notes on implements and accessories used in gardening.
12. a. Explain the techniques involved in pot culture.  
Or  
b. Explain the methods of organic farming.
13. a. Explain the different types of Bonsai.  
Or  
b. Comment on the terrace & roof gardens.
14. a. Explain the concepts of planting and transplanting with suitable examples.  
Or  
b. Explain how floral bouquets and floral ornaments were made.
15. a. Comment on the cultural practices of Jasmine in Tamil Nadu.  
Or  
b. Explain the factors affecting the quality of cut flowers.

**PART C**

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

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

16. Describe the cultural practices followed in cultivation of fruit crops.
17. Explain any five types of cutting and layering methods of vegetative propagation.
18. What is garden? Explain the features of a garden.
19. Comment on any five routine garden operations followed for cultivating horticultural plants.
20. Explain the Japanese methods of flower arrangements.

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