

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



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

**FIRST SEMESTER – APRIL 2016**

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

Date: 03-05-2016

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

**PART-A**

ANSWER THE FOLLOWING, EACH WITHIN 50 WORDS ONLY.

(10x2=20marks)

1. What is hydroponics?
2. Mention any two famous gardens of India.
3. Write two advantages of green house.
4. What is a mist chamber?
5. What are pergolas?
6. List out four plants of water garden.
7. Give two features that enhance the beauty of floral bouquets.
8. Define topiary.
9. Mention any two varieties of jasmine.
10. In what ways Tamilnadu increases its economics in the field of floriculture?

**PART-B**

ANSWER THE FOLLOWING, EACH WITHIN 500 WORDS.

DRAW DIAGRAMS WHEREVER NECESSARY.

(5x7=35 marks)

11. a. Give an account of various garden tools and their uses.  
(or)  
b. Describe the layout of a kitchen garden.
12. a. Discuss the different aspects of pot culture.  
(or)  
b. Briefly give a note on vermiculture and its advantages.
13. a. List out the styles and describe the methods in dwarfing of bonsai.  
(or)  
b. What is a roof garden? Write its advantages and plants used in roof garden.
14. a. Mention the various flowers used in garland for different occasions and give a note on floral ornaments.  
(or)  
b. What should be the attractive features to exhibit rangoli?
15. a. Describe the cultivation of rose.  
(or)  
b. What are the methods involved to increase the shelf life of cut flowers?

**PART-C**

ANSWER ANY **THREE** OF THE FOLLOWING, EACH WITHIN 1200 WORDS.  
DRAW DIAGRAMS WHEREVER NECESSARY.

(3x15=45marks)

16. Describe planning, cultivation and maintenance of fruit crops.
17. Explain the types of layering and grafting.
18. List out and comment on the living components of a garden.
19. Write in detail the routine garden operations employed in horticultural plants.
20. Describe Ikebana, Tatebana and Moribana method of floral arrangement.

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