



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

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

**FIRST SEMESTER – APRIL 2013**

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

Date: 11/05/2013  
Time: 1:00 - 4:00

Dept. No.

Max. : 100 Marks

**PART – A**

**Answer all the questions, each within 50 words:**

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

1. What is Olericulture?
2. Define Hydroponics.
3. Give the preparation of grafting wax.
4. What is vegetative propagation?
5. What is a pergola?
6. Briefly describe any two plants of a water garden.
7. Give the purpose of pinching and defoliation.
8. What is rangoli?
9. Give the use of shovel and pruner.
10. Define floriculture.

**PART – B**

**Answer the following questions, each within 500 words.**

**Draw diagrams/flowcharts wherever necessary:**

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

11. a) Give an account of any four famous gardens in India.  
(Or)  
b) How plants are grown using Hydroponics?
12. a) Write notes on: Mist chamber and Propagating frames  
(Or)  
b) Explain Vermicomposting.
13. a) How will you construct a terrarium?  
(Or)  
b) What is a rockery? What are the plants used in it?
14. a) Explain the methods of soil sterilization and seed sowing.  
(Or)  
b) Write about garlands and floral bouquets.
15. a) Give the cultural practices of growing Jasmine.  
(Or)  
b) What are the methods used to prolong the life of the Cut flowers?

**PART – C**

**Answer any THREE of the following questions, each within 1200 words:**

**Draw diagrams/flowcharts wherever necessary:**

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

16. Give the layout of a kitchen garden and the cropping arrangement.
17. Explain pot culture in detail.
18. Describe the different adornments used in a **garden**.
19. Give the steps involved in the preparation of a lawn.
20. Enlist the cut flowers with their commercial importance.

\$\$\$\$\$\$\$