



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

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

FIRST SEMESTER – NOVEMBER 2011

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

Date : 10-11-2011  
Time : 1:00 - 4:00

Dept. No.

Max. : 100 Marks

**PART-A (20 Marks)**

**Answer All the Questions:**

**I. Choose the correct Answer:**

**(5x1=5 marks)**

- Compound layering is commonly practiced in \_\_\_\_\_.  
(a) Rose (b) Jasmine (c) Tube Rose (d) Gladioli
- The Science of growing vegetables is known as \_\_\_\_\_.  
(a) Agriculture (b) Floriculture (c) Olericulture (d) Pomology
- The plant *Nymphaea* is used mainly in a \_\_\_\_\_.  
(a) Rockery (b) Pergola (c) Floral Clock (d) Water Garden
- Pick the odd one out:  
(a) Gerbera (b) Rose (c) Carnation (d) Bougainvillea
- The hedges are kept in symmetry and good health by regular \_\_\_\_\_.  
(a) Wintering (b) Clipping (c) Disbudding (d) Pricking

**II. State whether the following statements are True/ False:**

**(5x1=5 marks)**

- The famous Lalbagh Garden is located in Bangalore.
- Growing plants in a glass container is Terrarium.
- Cascade is one of the styles of Bonsai.
- Moribana style of Ikebana uses a deep container.
- Lawn mowers are used for seed sowing of Lawns.

**III. Complete the following:**

**(5x1=5 marks)**

- The tool used for digging or turning over of soil is .....
- The .....grass is mostly preferred for laying a good Lawn.
- The other name for Air Layering is .....
- The principal cut flower grown all over the country is .....
- The operation of transferring young seedlings to another tray is known as .....

**IV. Answer All, each in about 50 words:**

**(5x1=5 marks)**

- Organic Farming
- Mulching
- Cut Flower
- Pomology
- Water Garden

**PART- B**

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

**Draw diagrams wherever necessary:**

**(5x7=35 marks)**

21. a) Describe Hydroponics in detail.  
(Or)  
b) Explain the horticultural practices followed in vegetable crop cultivation.
22. a) Describe any five methods of Grafting.  
(Or)  
b) Describe Vermiculture in detail.
23. a) How will you construct a Rockery? List the plants used.  
(Or)  
b) Write about Carpet bedding.
24. a) Write notes on soil sterilization and sowing of Seeds.  
(Or)  
b) Write notes on: Staking, Pinching and Disbudding.
25. a) List the methods adopted to prolong the life of a Cut Flower.  
(Or)  
b) Define commercial Floriculture. Give the cultural practice of Jasmine.

**PART- C**

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

**Draw diagrams wherever necessary:**

**(3X15=45 marks)**

26. Give an account of the garden implements and accessories.
27. Write about the selection of pots, potting and repotting.
28. How do you make a Bonsai? Add a note on the different styles.
29. Write about the floral ornaments and garden adornments.
30. Explain the Japanese methods of flower arrangements.

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