

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

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

FIRST SEMESTER – November 2009

**PB 1504 - PRINCIPLES OF HORTICULTURE**

Date & Time: 12/11/2009 / 1:00 - 4:00

Dept. No.

Max. : 100 Marks

**PART – A (20 Marks)**

**Answer ALL the questions.**

**(5X1=5)**

**I. Choose the correct answer**

1. Production and marketing of vegetables is known as:

- a) Agriculture    b) Olericulture    c) Pomology    d) Floriculture

2. Urea is a

- a) pesticide    b) fertilizer    c) insecticide    d) fungicide

3. The plant most suitable for Terrarium is

- a) *Hibiscus*    b) *Mangifera*    c) *Kalanchoe*    d) *Ixora*

4. The art of pruning woody shrubs into different shapes is called:

- a) Staking    b) Top dressing    c) Topiary    d) Pruning

5. Cut flower vase life can be prolonged by adding

- a) Saridon    b) Aspirin    c) Antibiotic    d) growth promoter

**II. State whether the following statements are True or False.**

**(5X1=5)**

6. Hydroponics is growing plants in rich soil.

7. T-budding is T-shaped slit made in scion.

8. Sterile mica product used as rooting medium is called vermiculite.

9. Photodormancy is light sensitivity that affects germination of seeds.

10. Cut flowers are stored in the freezer.

**III Complete the following.**

**(5X1=5)**

11. Famous botanical garden at Bangalore is called -----.

12. Series of arches together is called -----.

13. Jasmine plant is propagated by -----.

14. Cactus type of plants is grown in ----- garden.

15. Japanese method of flower arrangement is called ----- .

**IV. Answer the following each within 50 words.**

**(5X1=5)**

16. What is the role of pruning in gardening?
17. Mention the uses of mist chamber.
18. Differentiate terrace gardening from roof gardening.
19. Give a neat sketch of any floral hair decoration.
20. What type of container is used for Moribana?

**PART – B**

**Answer the following each not exceeding 350 words.  
Draw diagrams and flow charts wherever necessary.**

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

21. Draw a neat lay out of a botanical garden.  
(or)  
Write a short note on Hydroponics.
22. How will you prepare a nursery bed?  
(or)  
Write notes on nursery structure.
23. Mention the steps involved in Bonsai technique.  
(or)  
Differentiate hedge and edge plants.
24. How is soil sterilized?  
(or)  
Write about any three floral ornaments.
25. Write briefly the cultural practices of rose.  
(or)  
Describe any one Japanese method of floral arrangement.

**PART – C**

**Answer any THREE of the following, each not exceeding 1500 words.  
Draw diagrams and flow charts wherever necessary.**

**(3x15=45 marks)**

26. Write an essay on important features of any four famous gardens in India.  
Add a note on your suggestions for the future status of these gardens.
27. Explain the various methods of vegetative propagation.
28. How will you beautify a garden with various garden adornments?
29. Write notes on:  
a) Deshooting b) Disbudding c) Defoliation d) Topiary e) Mulching
30. Explain in detail the various methods to prolong the life of cut flowers.

