



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIRST SEMESTER – APRIL 2017

PB 1507- PRINCIPLES OF HORTICULTURE

Date: 18-04-2017
01:00-04:00

Dept. No.

Max. : 100 Marks

PART-A

Answer the following, each within 50 words.

(10 x 2 = 20 marks)

1. What is hydroponics?
2. Mention any two famous gardens and its location in India.
3. Write short notes on vermicompost.
4. What is a nursery bed?
5. What are pergolas?
6. Write about terrarium setup.
7. Mention the flowers used in floral bouquets.
8. How floral ornaments enhances the beauty?
9. Mention two significance of cutflowers.
10. What is Ikebana?

PART-B

Answer the following, each within 500 words. Draw diagrams and flow charts wherever necessary.

(5 x 7 = 35 marks)

11a. List out the various garden tools and its uses.

(or)

b. Describe the features of a kitchen garden.

12a. Write on the type of pots, potting media and repotting.

(or)

b. Describe the different components of a greenhouse.

13a. Give an account on the dwarfing technique and styles in bonsai.

(or)

b. How will you design a terrace garden?

14a. Explain the steps involved in the preparation of the soil before planting?

(or)

b. What are the features that governs to exhibit an ideal rangoli?

15a. Describe Tatebana and Moribana method of floral arrangement.

(or)

b. What are the methods involved to increase the shelf life of cutflowers?

PART-C

Answer any three of the following, each within 1200 words. Draw diagrams and flow charts wherever necessary. **(3x15=45marks)**

16. Give a detailed account on the various operations followed in a fruit farm.
17. Explain the different methods of layering.
18. Describe the various features of a garden.
19. Write notes on the following:
 - a. Transplantation
 - b. Deshooting
 - c. Staking
 - d. Mulching
 - e. Topiary
20. Describe the cultivation of rose.
