



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – NOVEMBER 2015

PB 5412 - AGRICULTURE & HORTICULTURE

Date : 13/11/2015
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

Part A

(20 marks)

Answer the following, each within 50 words

(10 x 2 =20 marks)

1. Differentiate Agronomy from Agriculture.
2. Mention the tools used in soil preparation.
3. Define tillage.
4. Mention the importance of NPK in agriculture.
5. What are sets?
6. How drip irrigation is useful in mango cultivation.
7. Define Bonsai.
8. Write the uses of earthen pots.
9. What is mulching?
10. Mention the propagation techniques for rose and jasmine?

PART B

(5 x 7 = 35 marks)

Answer the following, each within 500 words only. Draw diagrams and flowcharts wherever necessary.

11a. Give a brief account on classification of plant nutrients.

or

b. Briefly explain the agronomic practices followed in agriculture.

12a. Write notes on alluvial soil and red soil.

or

b. How is alkali soil reclaimed?

13a. Describe the agronomic practices followed in mango cultivation.

or

b. What is a weed? Explain the importance of inter cultivation in crop cultivation.

14a. Draw and label the different features of a garden.

or

b. Describe the structure of a nursery.

15a. Explain any three types of grafting.

or

b. Explain the factors affecting the quality of cut flower life. Add a note on some remedies to prolong the cut flower life.

PART C

(3 x15 = 45 marks)

Answer any three of the following, each within 1200 words only. Draw diagrams and flowcharts wherever necessary.

16. Give an account on green revolution.
17. Describe the methods of irrigation.
18. Explain the agronomic steps followed in sugarcane cultivation.
19. Write an essay on cuttings and layering.
20. Write notes on garden operations and adornments.
