



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – APRIL 2018

PB 5412- AGRICULTURE & HORTICULTURE

Date: 10-05-2018
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART – A

(10 x 2 = 20 Marks)

Answer the following, each within 50 words.

1. Discuss the role of phosphorous in plant growth.
2. Give any two examples for biofertilizers.
3. What is puddling?
4. Define mulching.
5. What is fertigation?
6. Write about the intercropping methods in the cultivation of Mango.
7. Distinguish between floriculture and olericulture.
8. Define Bonsai.
9. Define pergolas.
10. Distinguish between carpet bed and flower bed.

PART – B

(5 X 7 = 35 Marks)

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

11. (a) Discuss the classification of crops based on season.
OR
(b) Mention the features of different types of Indian soils.
12. (a) Write notes on the various tillage operations and implements.
OR
(b) Comment on the general biocontrol methods adopted to combat crop pests and diseases.
13. (a) Discuss the irrigation, application of fertilizers and crop protection methods adopted for cultivation of banana.
OR
(b) Explain the tillage operations, seed treatment, fertilizer application and weed management for cultivation of legumes.
14. (a) How are plants cultivated in a pot? Add a note on do's and don't's followed during pot cultivation.
OR
(b) Explain the types of bonsai.

15. (a) Write notes on any three garden operations.

OR

(b) Explain the general features of a garden.

PART – C

(3 X 15 = 45 Marks)

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

16. Discuss the development of Indian agriculture with special reference to the impact of green revolution.

17. Explain the different types of irrigation and weed control methods.

18. Describe the field preparation, irrigation, weed management and crop protection methods adopted for cultivation of rice.

19. Describe the cultivation practices followed in jasmine cultivation.

20. Describe the structure of a nursery.
