



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – NOVEMBER 2017

PB 5412 – AGRICULTURE & HORTICULTURE

Date: 13-11-2017

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART – A

Answer the following, each within 50 words.

(10 x 2 = 20 Marks)

1. What is a green manure? Give any two examples.
2. Discuss the role of nitrogen in plant growth.
3. Comment on transplantation in paddy cultivation.
4. List the methods of application of solid fertilizers.
5. Give any two crop diseases in pulses and their control measures.
6. Mention the importance of intercropping in mango cultivation.
7. Define Bonsai.
8. Differentiate Olericulture from Agriculture.
9. Distinguish between edges and hedges.
10. What are pergolas?

PART – B

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

(5 X 7 = 35 Marks)

11. (a) Discuss the different types of Indian soils.
OR
(b) Explain the classification of crops based on season.
12. (a) Explain the characteristics and control measures of weeds.
OR
(b) Discuss the different types of irrigation.
13. (a) Discuss on the irrigation, application of fertilizers and crop protection methods adopted for cultivation of banana.
OR
(b) Explain the tillage operations and crop protection methods for paddy cultivation.
14. (a) Describe the structure of a nursery.
OR
(b) Explain the technique used in the cultivation of plants in pot. Mention the do's and don'ts during pot culture technique.
15. (a) Describe the types of garden adornments.
OR
(b) Write notes on carpet bed and flower bed.

PART – C

Answer **any three** of the following, each within 1200 words. Draw diagrams and flowcharts wherever necessary (3 X 15 = 45 Marks)

16. Discuss on the development of Indian agriculture with special reference to the impact of green revolution.
17. Write an essay on the various tillage methods, sowing methods and mode of application of fertilizers in preparing a land for cultivation.
18. Describe the field preparation, irrigation, weed management and crop protection methods adopted for cultivation of sugarcane.
19. Mention the salient features of any three famous gardens in India. Add a note on garden implements used in the garden.
20. Explain the cultural practices followed in cultivation of Jasmine.
