



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – NOVEMBER 2016

PB 5412 - AGRICULTURE & HORTICULTURE

Date: 09-11-2016
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. Define Agronomy.
2. Distinguish between intercropping and crop rotation.
3. What is intercultivation?
4. Define organic farming.
5. How drip irrigation is useful in mango cultivation.?
6. Define botanical pesticide.
7. Mention any four botanical gardens in India.
8. Write the importance of nursery bed.
9. Define topiary.
10. What is a roof garden?

PART-B

(5 x 7 = 35 Marks)

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

11. a) Briefly comment on the current status of agriculture in India.
or
b). Explain how a green revolution improved our agriculture production.
12. a) Write notes on alluvial soil and black soil.
or
b) Describe the methodology for agricultural soil collection and testing.
13. a) Describe the agronomic practices followed in groundnut cultivation.
or
b) What is a pest? Explain the general methods to control pest in crops.
14. a) Give an account of garden implements along with their uses.
or
b) What is Bonsai? Explain the methods in making and maintaining Bonsai plants.
15. a) Write notes on any 4 important garden operations.
or
b) Explain the cultural practices associated with rose cultivation and its importance.

PART C

(3 x15 = 45 marks)

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

16. Write an essay on organic farming.
17. Give a general account on water resources and types of irrigation.
18. Explain the agronomic steps followed in Banana cultivation.
19. Explain in detail the various methods of layering and grafting.
20. Give a detailed account of the garden and its components.
