



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – APRIL 2019

16UPB5ES01– PRINCIPLES OF AGRICULTURE

Date: 24-04-2019
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART-A

Answer the following, each within 50 words.

(10 x 2 = 20 Marks)

1. What is beverage crop?
2. What is green revolution?
3. Comment on VAM.
4. What is soil erosion?
5. Comment on drainage.
6. Define eutrophication.
7. Mention the importance of intercultivation.
8. What is foliar spray?
9. What is mulching?
10. What is mycoherbicide?

PART- B

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

(5 x 7 = 35 Marks)

11. a) Write an account on non-food crops in India.

OR

b) Write a brief note on the modern methods followed in the Agriculture cultivation.

12. a) Explain the role of NPK in agriculture.

OR

b) Give a brief account on the organic farming.

13. a) Give reasons for water logging and list out both the direct and indirect effect of water logging on crop cultivation.

OR

b) Write about the types of irrigation systems.

14. a) Explain the steps involved in the cultivation of sugar cane.

OR

b) Write a brief note on importance of any five agriculture implements.

15. a) Describe the characteristics of weeds. Add a note on its association and dissemination with crops.

OR

b) What is agricultural extension and enlist its importance.

PART-C

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

(3 x 15 = 45 marks)

16. Describe in detail about the types of cropping pattern.
17. Write an essay on various soil types and associated crops in India.
18. Give an account on different methods of drainage.
19. Explain in detail about the agricultural practices followed in paddy cultivation.
20. Give a detail account on IPM and measures to control insect pests.
