



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – APRIL 2019

PB 5409– PRINCIPLES OF AGRICULTURE

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

Dept. No.

Max. : 100 Marks

Part A

Answer any four the following, each within 500 words. Draw diagrams and flowcharts wherever necessary. (4 x 10 = 40 Marks)

01. Explain the types of cropping pattern followed in agriculture.
02. Write a brief note on organic farming.
03. Enlist the role and deficiency symptoms due to macro nutrients in agriculture.
04. Give a brief note on biofertilizers and biopesticides.
05. Comment on intercultivation, transplantation and crop rotation.
06. What is a weed? Explain the characteristic features of weed.
07. Write notes on Integrated Pest Management.
08. Mention the importance of Agriculture extension services in crop production.

Part B

Answer any three of the following, each within 1200 words. Draw diagrams and flowcharts wherever necessary. (3 x 20 = 60 Marks)

09. Explain the agronomic practices followed in Agriculture.
10. Give an account on types of soil in India.
11. Describe the agronomic practices followed in paddy cultivation.
12. What is green revolution? Add a note on their merits and demerits.
13. Explain the types of irrigation followed in agriculture.
14. Give a detailed account on various methods to control pathogens in agriculture.
