

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**



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

**FIFTH SEMESTER – NOVEMBER 2022**

**UPB 5601 – PRINCIPLES OF AGRICULTURE**

Date: 30-11-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

**PART – A**

**(10 x 2 = 20 Marks)**

**Answer the following, each within 50 words.**

1. Define agriculture.
2. Comment on green revolution.
3. List out the various measures to prevent water logging.
4. Mention any four Pros and Cons of drip irrigation.
5. Distinguish between biofertilizer and biopesticide.
6. What are sets?
7. Define integrated weed management.
8. Distinguish between grasses and sedges.
9. List out the importance of IPM.
10. How to train and support farmers in IPM?

**PART – B**

**(5 X 7 = 35 Marks)**

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

11. (a) Give a brief account on the branches of agriculture.

**OR**

(b) Explain the principles of agronomy.

12. (a) Write notes on the types and role of nitrogen fertilizers.

**OR**

(b) Write a brief account on different types of irrigation.

13. (a) Write notes on seed bed preparation and intercultivation

**OR**

(b) Give a brief account on organic farming and its importance.

14. (a) Write a short note on propagation of weeds.

**OR**

(b) Write notes on benefits derived from weeds.

15. (a) Write briefly about the role of microbes in biological pest control.

**OR**

(b) Write notes on types of pesticides and their role in pest control.

**PART – C**

**(3 X 15 = 45 Marks)**

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

16. Elaborate on Indian Agriculture Scenario in SWOT Analysis
17. Write an essay on the physical, chemical and biological properties of soil types in India.
18. Describe the agronomic practices followed in paddy cultivation.
19. Write a detailed account on the classification of weeds.
20. Give a detailed account on integrated pest management.

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