

**3 MJ 60306**

THREE YEAR B.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2024

THIRD SEMESTER

Botany

PLANT PATHOLOGY AND PLANT DISEASES

(w.e.f 2023–2024)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

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PART A — (5 × 4 = 20 marks)

Answer any FIVE questions

1. Write a short note on the importance of plant pathology.
2. Write a short note on the Survival of the plant pathogens.
3. Role of toxins in plant pathogenesis.
4. Write a short note on the factors involved in infection.
5. Forecasting of plant diseases.
6. Plant growth promoting rhizobacteria (PGPR).
7. Tungro diseases of rice.
8. Ergot disease of Bajra.
9. Little leaf disease of Brinjal.
10. Basal disease of Coconut.

PART B — (5 × 10 = 50 marks)

Answer ALL the questions

11. Write an essay on the important famines in the world.  
Or
12. Write an essay on the dispersal of plant pathogens.
13. Describe the role of enzymes in plant pathogenesis.  
Or
14. Write an essay on the defence mechanism in plants.

15. Write an essay on integrated disease management.

Or

16. Give an account on biological control.

17. Give an account of symptoms, etiology, disease cycle and control measures of bacterial blight disease of Rice.

Or

18. Give an account of symptoms, etiology, disease cycle and control measures of tikka disease of groundnut.

19. Give an account of symptoms, etiology, disease cycle and control measures of Powdery mildew of okra.

Or

20. Give an account of symptoms, etiology, disease cycle and control measures of Alternaria fruit spot of Pomegranate.