

23110716807

23BBO302

UG PROGRAM (4 YEARS HONOURS) WITH SINGLE MAJOR  
AT THE END OF THIRD SEMESTER  
BOTANY-PLANT PATHOLOGY AND PLANT DISEASES  
(B.Sc HONOURS-MAJOR)  
(w.e.f. Admitted Batch 2023-24)

Time: 3 hours

Maximum: 70 marks

Section - A

Answer any FIVE questions.

5 x 4 = 20

1. Principles of Plant Pathology
2. Plant and pathogen interactions
3. Biological methods of plant disease control
4. Write short note on downy mildew of Bajra
5. Ergot disease of Bajra
6. Soil born diseases
7. Role of plant growth regulators in pathogenesis
8. Plant growth promoting bacteria (PGPB)

Section - B

Answer All questions.

5 x 10 = 50

9. a) Write an essay on the symptoms of plant diseases with examples.  
(Or)  
b) Write an essay on dispersal of pathogens.
10. a) Write an essay on defence mechanisms in plants against plant pathogens.  
(Or)  
b) Explain the process of infection of pathogens in the plants.
11. a) Describe the disease forecasting mechanisms.  
(Or)  
b) Write an essay on disease epidemiology
12. a) Explain the symptoms, etiology, disease cycle and management of Bacterial blight of rice  
(Or)  
b) Write an essay on the symptoms, etiology, disease cycle and management of Tikka disease in groundnut.
13. a) Explain the symptoms, etiology, disease cycle and management of powdery mildew of Okra.  
(Or)  
b) Discuss the symptoms, etiology, disease cycle and management of anthracnose disease of Mango.