

2025

5th Semester Examination
4-Years B.Sc. (Hons.) in Agriculture

Paper : AGS - 504

**[Diseases of Field and Horticultural Crops
and their Management-I]**

Full Marks : 50

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions : $2 \times 5 = 10$

1. Define etiology in plant pathology.
2. Write down the name of any two fungal diseases of maize with their causal organisms.
3. Describe the characteristic of "Kresek" symptoms of Rice.
4. What is khaira disease of rice and how can it be managed?

P.T.O.



(2)

5. How does bunchy top disease of banana spread?
6. Write down the two seed-treating fungicides' names.
7. Write the name of any one bacterial, one fungal, and one viral disease included in your course, along with their causal organisms.
8. Write in detail the epidemiology of sheath blight of rice.

Group - B

Answer any *four* questions : $5 \times 4 = 20$

9. Why is crop rotation effective in managing soil-borne diseases like wilt?
10. Describe the symptoms, transmission and management of rice tungro disease. $2.5 + 2.5$
11. Describe the symptoms and management of bacterial blight of pomegranate.
12. Describe the symptoms and management of blister blight of tea.
13. Discuss black rot of cruciferous vegetables with etiology and management.
14. Describe the symptoms and management strategy of ginger soft rot disease.



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Group - C

Answer any *two* questions : $10 \times 2 = 20$

15. Briefly describe the most distinguishing symptoms, causal organism, etiology, disease cycle and management of rice blast disease.
16. Describe the symptoms and management practices of damping off, bacterial wilt and late blight of tomato. $3\frac{1}{2} + 3\frac{1}{2} + 3$
17. Describe the symptoms, etiology and management of Panama wilt and bunchy top disease of banana. $5 + 5$
18. Describe the symptoms, mode of transmission and management of Yellow Vein Mosaic of okra and sterility mosaic disease of pigeon pea. $5 + 5$

