

**M.Sc DEGREE EXAMINATION, APRIL 2019**  
**I Year I Semester**  
**Plant Pathology**

**Time : 3 Hours**

**Max.marks :75**

**Section A** ( $10 \times 2 = 20$ ) Marks

Answer any **TEN** questions

1. Plant Pathology.
2. Inoculum Potential.
3. TMV.
4. late blight of potato.
5. Structural defence.
6. Pathogen.
7. Gene for gene concept.
8. Mutation.
9. ELISA.
10. Resistant gene.
11. Virulence.
12. Phytoalexin.

**Section B** ( $5 \times 5 = 25$ ) Marks

Answer any **FIVE** questions

13. Enumerate the Koch's Postulates.
14. Give an account of Bacterial blight of rice.
15. Explain the methods of biological control of plant diseases.
16. Write about the role of enzymes in plant pathogenesis.
17. Write short notes on the detection of pathogens by PCR.
18. Write brief notes on the principles of plant infection.
19. Give a brief account on Wilt of cotton.

**Section C** ( $3 \times 10 = 30$ ) Marks

Answer any **THREE** questions

20. Explain in detail about the dissemination of pathogens.
21. Name the causal agent, symptoms and control measures for red rot of sugarcane.
22. Describe the host parasite interaction.
23. Write about the breeding of disease resistance.
24. Write an essay on the incorporation of resistant gene by different methods.

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