M.Sc.DEGREE EXAMINATION,APRIL 2020
I Year I Semester
Plant Pathology

Time : 3 Hours **Max.marks :75**

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

Answer any **TEN** questions

1. Parasite
2. Incubation period
3. Blight
4. Rust
5. Infection peg
6. Tyloses
7. Virulence
8. Resistance
9. Gene gun
10. ELISA
11. Epidemic
12. Necrosis

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

Answer any **FIVE** questions

13. Write about the scope of Plant pathological studies
14. Comment on the symptoms, severity and control measures of Red rot of sugarcane
15. Critically explain the physiological changes in the host due to parasite infection
16. Explain the different techniques in plant breeding for disease resistance
17. What is the molecular mechanism of plant pathology
18. Describe the role enzymes and toxins in disease development
19. Give the detailed explanation of gene for gene concept

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

Answer any **THREE** questions

20. Explain the key mechanism of infection by pathogens
21. Comment on the mechanism of biological control of plant diseases
22. Write about the host defence mechanism in plants
23. Enumerate the genetics of host plant interaction
24. How the resistant gene is incorporated in the plants for disease resistance

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