



Date: 06-04-2024

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

Section A

Answer the following, each within 50 words

(10 x 2 =20 marks)

1. Define symptom.
2. Mention the significance of disease cycle.
3. What are PR proteins?
4. Mention the significance of callose.
5. List any two significance of *Fusarium* as pathogen.
6. Mention the pathogen in smut of *Sorghum*.
7. List two symptoms of little leaf of brinjal.
8. Mention the importance of *Cuscuta*.
9. What are exclusion?
10. Mention the composition of Bordeaux mixture.

Section B

Answer ANY 4, each within 500 words. Draw diagrams and flowcharts wherever necessary.
(4 x 10 = 40 marks)

11. Explain the methods for isolation of pathogen and their characterization.
12. Write short notes on disease triangle.
13. Explain about induced defence mechanisms.
14. Describe the symptoms and disease cycle of ergot of rye. Add a note on its control.
15. Write detailed notes on bacterial blight of paddy.
16. Briefly explain about the bunchy top disease of banana.
17. Explain about the tungro disease in paddy.
18. Give an account on the cultural methods for plant disease control.

Section C

Answer ANY 2 of the following, each within 1200 words. Draw diagrams and flowcharts wherever necessary.
(2 x20 = 40 marks)

19. Explain in detail about the classification of diseases based on symptoms.
20. Discuss in detail anatomical and physiological changes due to infection.
21. Explain in detail about causal agent and symptoms the rust disease in wheat and the control measures.
22. Write detailed notes on chemical control of plant diseases.

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