



Date: 04-04-2019
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART- A

Answer the following, each within 50 words.

(10 x 2=20marks)

1. Define invasion.
2. What is necrosis.
3. What are elicitors?
4. What is rhizosphere?
5. Define damping off.
6. What is crop rotation?
7. Comment on citrus canker.
8. What are galls?
9. Define epidemiology.
10. Comment on field sanitation.

PART- B

Answer the following, each within 500 words. Draw diagrams wherever necessary.

(5 x 7=35 marks)

11. a) Write about Koch's postulations and its significance.

(OR)

b) Write an essay on role of enzymes in plant diseases.

12. a) What are innate inhibitors of plant in defence mechanism?

(OR)

b) Describe the role of moisture and temperature in disease development.

13. a) Write the causative organism, symptoms and control measures of powderymildew of cucurbits

(OR)

b) Write the causative organism, symptoms and control measures of Rice blast.

14. a) Briefly describe about Tungro of rice.

(OR)

b) Brief about little leaf disease of egg plant.

15. a) Define prophylaxis and brief about its role in disease control.

(OR)

b) Brief about bacterial antagonists.

PART- C

Answer any three of the following, each within 1200 words. Draw diagrams wherever necessary.
(3 x 15=45 marks)

16. Write an account on the anatomical and physiological responses of host towards pathogen?
17. What are phytoalexins? Explain how it plays an important role in defence mechanism.
18. Detail the pathogen, symptoms, epidemiology and control measures of Tikka disease of groundnut.
19. Describe the pathogen, symptoms, epidemiology and control measures of Bunchy top of Banana.
20. Write an essay on forecasting and its applications in disease management and protection of crops.

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