

PLANT PATHOLOGY AND PLANT PROTECTION

Class – I Botany

Sub Code: 16SCCBO2

UNIT - I

2 MARKS QUESTIONS

1. Define plant pathology
2. Plant diseases
3. Biotic agents
4. Abiotic agents
5. Symptoms
6. Aflatoxin
7. Pathogenesis
8. Biological control
9. Infection
10. Incubation period
11. Haustoria
12. Appressorium
13. Pathogenesis

5 MARKS QUESTIONS

14. History of plant pathology
15. Losses due to pathogens infected plants
16. Classification of plant diseases
17. Importance of study of plant pathology
18. General Symptoms of plant diseases

10 MARKS QUESTIONS

19. Describe the process of infection and pathogenesis in plants
20. Explain penetration and entry of pathogen into host tissue

21. Mechanical entry of pathogen into host tissue
22. Physiological entry of pathogen into host tissue
23. Enzymatic entry of pathogen into host tissue
24. Host parasite interaction plants
25. Toxins in pathogenesis

UNIT-II

2 MARKS QUESTIONS

1. Define Fungicides
2. Define Nematicides
3. Define Biological control
4. Write any important of biological control
5. Define chlorosis
6. Define Damping – off disease
7. What are biological control agents?
8. Define disease cycle
9. What is disinfectant?
10. Define downy mildew disease
11. What is epidemiology?
12. Define epiphytotic
13. Define eradication
14. What are etiology of disease?
15. Define fumigation
16. Define fungigation
17. Define gall disease
18. Define eradicator

5 MARKS QUESTIONS

19. Write about the disease control management
20. Short notes on classification of fungicides.
21. Write about characters of ideal fungicides.

22. What are antibiotics and explain with suitable example?
23. Notes on nematicides
24. Explain diseases control used in chemicals

10 MARKS QUESTIONS

25. Briefly explain the important of biological control of plant disease
26. What are the role of biological control agents in plant disease control?
27. Explain about character of antibiotics
28. Write about the biological control in suitable example

UNIT- III

2 MARKS QUESTIONS

1. Wilting
2. Powdery mildew
3. Downy mildew
4. Necrosis
5. Lesions
6. Rotting
7. Blast
8. Late blight
9. Leaf spot
10. Little leaf
11. Parasite
12. Germ theory
13. Tikka diseases
14. Yellowing
15. Chlorosis
16. Cyst
17. Biological control agents
18. Damping – off
19. Gall
20. Diseases cycle

5 MARKS QUESTIONS

21. Blast disease of rice
22. Little leaf of Brinjal
23. Research in plant pathology in India
24. Contribution of research institutes – IARI
25. ICRISAT for semi – arid tropics

10 MARKS QUESTIONS

26. Bacterial canker diseases in citrus
27. Tikka disease in groundnut
28. Red rot of sugarcane diseases
29. Bacterial leaf blight of banana

UNIT –IV

2 MARKS QUESTIONS

1. Write any important of plant protections
2. Define soil injector
3. What is seed treatment
4. Define seed dressing drum
5. Define dusters
6. Define sprayers
7. Soil sterilization
8. Define sanitation
9. Define soil transients
10. Define tolerance

5 MARKS QUESTIONS

11. Write short notes on scope of plant protection
12. Write an account on importance of plant protection
13. What are the equipments used in plant protection?
14. What are the objectives of seed treatment?

15. Write an account on objectives of soil sterilization

10 MARKS QUESTIONS

16. Explain various equipments used in plant protection
17. Write an essay on seed treatment
18. Explain traditional methods of seed treatments
19. Mention objectives of soil sterilization
20. Explain traditional and modern methods of soil sterilization
21. Write an essay on the rule of soil sterilization in polyhouse farming
22. Write about the modern methods of seed treatment in plant protection

UNIT –V

2 MARKS QUESTIONS

1. Define tillage
2. Define crop hygiene
3. Define fertilizer
4. Define quarantine
5. Define shock symptoms
6. Define toxicity
7. What is integrated pest management?
8. Define masked symptoms
9. Define mycoplasma
10. Define suppressive soils
11. What is symbiosis

5 MARKS QUESTIONS

12. Write short notes on the following terms : Tillage,

sowing and planting dates, crop hygiene

13. What is fertilizer? Explain and its types
14. What is field sanitation? And suitable example for sanitation method
15. Explain collection and destruction of diseased plant debris
16. What are the mechanical methods of plant protection?

10 MARKS QUESTIONS

17. What are the physical barriers used in plant protection?
18. Explain heat and soil solarization of plant protection
19. What are the uses of bactericides in plant protection?
20. Explain biological control of insect pest disease
21. Write about need of plant quarantine
22. Write about domestic quarantine
23. List out the quarantine in india