

## **Long type questions**

1. Explain the importance, scope and objective of Plant Pathology in brief.
2. Write the contribution of ten different scientists in the field of plant pathology.
3. What do you mean by pathogenesis? Explain the different steps of pathogenesis and briefly write the infection chain of any one specific disease.
4. List out different causes of plant disease. Discuss any six causes and their effect in plants.
5. Classify the diseases of plant and write in details.
6. Explain the classification of different disease symptoms in brief.
7. Specify the micro organisms on the basis of their mode of absorption.
8. Discuss the mechanism of Transmission of plant viruses in brief.

## **Short notes**

1. Scope of plant pathology
2. Contribution of five Indian scientists in the field of plant pathology
3. Toxin as chemical weapon in pathogenesis
4. Role of enzyme in pathogenesis
5. Role of growth regulators in pathogenesis
6. Socio economic significance of plant diseases
7. Pesticide exposure in plants
8. Mollicutes
9. Viroids
10. Bacteria
11. Effect on plants due to air pollution
12. Effects on plant due to nutritional deficiency
13. Phanerogamic plant parasite
14. Systemic infection vs localized infection
15. Incubation period vs latent period
16. Compound interest disease
17. Soil borne disease
18. Powdery mildew and downy mildew
19. Fungi as eukaryotes
20. Mycoparasites

21. Phytoalexin and its example
22. Hypersensitivity reaction
23. Disease triangle
24. Inoculum potential
25. Nematodes
26. What do you mean by Plant quarantine?
27. What is Rhizomorph?
28. VAM
29. Mycorrhiza
30. Koch Postulate
31. Disease incidence
32. Disease severity
33. Predisposition
34. What is BGA?
35. Effect of chemical injury in plants
36. Prokaryotes vs Eukaryotes
37. What do you mean by prions?
38. Gram positive and gram negative bacteria
39. Penetration of pathogen inside host
40. Fastidious bacteria