

PATH-121

Most Important Questions

Note:

- 1) These Questions are based on the previous year question papers and New Updated Syllabus.
- 2) Students are required to go through all the topics, but kindly focus on below mentioned Topics/Questions.
- 3) The questions in the exam may be asked in some other way. Eg. Short Notes may asked as Define and vice versa.
- 4) **IMPORTANT:** This document does not guarantee that the exam may contain all topics/questions mentioned below.

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1. Explain Scope and Objectives of Plant Pathology along with different Disciplines of Plant Pathology.
 2. Explain the Importance of Plant Pathology in Agriculture.
 3. Give Contribution of Indian Scientists in brief.
 4. Explain the Conditions necessary for disease development.
 5. Give the Classification of Plant diseases based on Mode of spread & severity with examples.
 6. Explain the major causes (Factors) of Plant Disease along with Symptoms with examples. (Biotic, Abiotic, etc.)
 7. Describe the symptoms and signs caused by Biotic agents like Fungi, Bacteria, Viruses, Phytoplasmas.
 8. Give the Classification of Prokaryotes according to Bergey's Manual of Systemic Bacteriology.
 9. What are the Types of growth observed in Bacteria.
 10. Explain Reproduction types and reproductive structures in Plant Pathogens.
 11. Explain the direct and indirect methods of transmission of Plant Pathogens.
 12. Explain the Mechanism of variability in fungi, bacteria and viruses.
 13. Explain the Mechanism of Mutation in Plant Pathogens.
 14. Explain the defence mechanism of host.
 15. Explain the Mechanism of Infection by pathogens.
 16. Explain the Principles of plant disease management.
 17. Give the Classification of fungicides and antibiotics on the basis of chemical nature and mode of action.
 18. What are the factors governing epidemics.
 19. **Short notes on:**
 - a. Bordeaux mixture
 - b. Irish famine
 - c. Wheat rust
 - d. Hypoplasia
 - e. Disease triangle
 - f. Mechanism of Liberation
 - g. Concept of Integrated Disease Management (IDM)
 - h. Reproduction in bacteria
 - i. Multiplication of plant viruses and phytoplasmas
 20. **Define:**
 - a. Plant Pathology
 - b. Plant Disease
 - c. Pathogenesis
 - d. Parasexualism
 - e. Epidemiology

f. Host

All the Best!

