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**MBS 457**

**II Semester M.Sc. Degree Examination, September/October 2022**  
**(CBCS PG CGPA)**  
**MICROBIOLOGY**  
**Phytopathology**

Time : 3 Hours

Max. Marks : 70

Write short notes on **any five** of the following :

**(5×3=15)**

1. Parasitism
2. Bacterial blight of rice
3. Sandal spike
4. Elicitors
5. Disease Triangle
6. *Bacillus thuringiensis*
7. Bunchy top of Banana.

Write a note on **any five** of the following :

**(5×5=25)**

8. Indian history of phytopathology.
9. Plant Quarantine
10. Post-harvest diseases.
11. Mechanism of microbial entry and infection.
12. Horizontal and vertical resistance.
13. Mycotoxins.
14. Disease Forecasting.

Answer **any three** of the following :

**(3×10=30)**

15. Discuss methods of detection of phytopathogenic microbes.
  16. Give an account of downy mildews and rust diseases.
  17. Write a detailed note on integrated disease management concepts.
  18. Explain host-parasite interactions with suitable examples.
  19. Discuss genetics of virulence and resistance.
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