

Reg. No.

--	--	--	--	--	--	--	--



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.
-