

A-1228

Total Pages : 3

Roll No.

BOT-553

M.Sc. Botany (MSCBOT)

Applied Mycology and Plant Pathology

Examination February, 2026

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

Section-A

Long Answer Type Questions (2×19=38)

Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

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(1)

P.T.O.

1. Write in detail about bacterial diseases in plants.
2. Write in detail on medicinal and nutritive value of edible mushrooms.
3. Give a brief account on diseases of cereals.
4. Write an essay on "Scope and techniques of fungal biotechnology".
5. What do you understand by Pathogenesis ? Describe the mechanism and different paths of infection in plants.

Section–B

Short Answer Type Questions (4×8=32)

Note :– Section 'B' contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Write a short note about Mycorrhizae.
2. Describe any one plant disease of any cash crop.
3. Describe symptoms of plant diseases caused by powdery mildews.
4. Give names and descriptions of measures of plant disease control.

5. Describe symptoms of phytoplasma diseases in plants.
6. Give a brief account on diversity of fungi.
7. How do environmental factors affect the disease incidence and spread ?
8. Enlist only the name of disease, causal organisms and host, of any five plant diseases caused by fungi.
