

A-1221

Total Pages : 3

Roll No.

MBOT-603

M.Sc. Botany (MSCBOT)

Applied Mycology

Examination February, 2026

Time : 2:00 Hrs.

Max. Marks : 35

Note :- This paper is of Thirty Five (35) 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) (2×9½=19)

Note :- Section 'A' contains Five (05) Long-answer type questions of Nine and Half (9½) marks each. Learners are required to answer any *two* (02) questions only.

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(1)

P.T.O.

1. Give a detailed account of nutritive and medicinal values of fungi.
2. Explain briefly about the role of fungi as pesticide.
3. Describe in detail the various mode of reproduction in fungi
4. Explain different types of mycorrhizae in detail.
5. Give an account of mushroom cultivation. Discuss about the climatic conditions of Uttarakhand for mushroom cultivation.

Section–B

(Short Answer Type Questions) (4×4=16)

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

1. Discuss briefly the industrial importance of fungi.
2. Explain about scope of Fungal Biotechnology.
3. Define the role of fungi in sewage treatment.
4. Define the cultivation of button mushroom.

5. Define different steps of production of alcohol using starch as a substrate.
6. Give an account of fungal enzymes
7. Justify the statement that "fungi serve as pollution indicators"
8. Give a brief account on the diversity of fungal habitats.
