

A-0035

Total Pages : 3

Roll No.

MBOT-603

M.Sc. BOTANY (MSCBOT)

(Applied Mycology)

3rd Semester Examination, Session December 2024

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.

1. Describe the role of fungi as decomposer in nature.
2. Give an account of General characters and diversity of fungi.
3. Write botanical name of edible mushroom and describe its habit, habitat and economic importance.
4. Briefly describe techniques of mushroom cultivation.
5. Describe methods used for commercial production of penicillin.

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. Write brief note on alcohol production.
2. What are various enzymes secreted by microbes for degrading cellulose, pectic materials, and lignin in nature.
3. Describe the thallus organization of fungi.

4. Define mycorrhizae and its type.
5. Briefly describe fungi in food spoilage.
6. Write the role of fungi in relation to pollution.
7. What is spawn ? How it is prepared.
8. Discuss the salient features of important groups of fungi.
