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Total Pages : 3

Roll No.

MBOT-603

Applied Mycology

M.Sc. Botany (MSCBOT)

3rd Semester Examination, 2022 (Dec.)

Time : 2 Hours]

[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.

SECTION-A

(Long Answer Type Questions)

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.

(2×9½=19)

1. Give an illustrated account of industrial importance of fungi and its role in human development.

2. Explain the importance of biochemical characteristics in the classification of fungi.
3. Give a detailed account of nutritive and medicinal values of fungi.
4. Define the role of fungi in pollution control.
5. Explain briefly about the role of fungi as pesticide.

SECTION-B

(Short Answer Type Questions)

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. (4×4=16)

1. Define different modes of asexual reproduction in fungi.
2. Give an illustrated account of cell structure in fungi.
3. Give an account on different criteria used in the classification of fungi.
4. Briefly discuss different types of mycorrhizae.
5. Define the cultivation of button mushroom.

6. How do soil fungi influence the plant growth?
 7. Define different steps of production of alcohol using starch as a substrate.
 8. Give an account of fungal enzymes.
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