

S-35

Total Pages : 3

Roll No.

MBOT-506

Biology and Diversity of Fungi

M.Sc. Botany (MSCBOT)

2nd 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. Discuss the mode of reproduction in fungi.

2. Explain the ultrastructure of typical fungal cell in detail.
3. Discuss the role of fungi in antibiotic production. Write a note on ethanol production by yeast.
4. What are different types of mushroom? Give an account of nutritive and medicinal properties of mushroom.
5. Describe the classification of Mastigomycotina in detail.

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. What are the various types of helpful activities of fungus?
2. 'Fungi as biocontrol agents' explain briefly.
3. Describe in short the process of alcohol production.
4. Write a short note on fungi imperfecti.
5. With the help of labelled diagram explain heterothallism in Mucorales.

6. Write short notes on the following :
- (a) Edible fungi.
 - (b) Role of fungi in Forestry.
7. Discuss origin of fungi.
8. What are necrotrophs and biotroph?
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