

C059

Total Pages : 3

Roll No.

BOT-553

Applied Mycology and Plant Pathology

M.Sc. BOTANY(MSCBOT)

2nd Year Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 80

Note : This paper is of Eighty (80) 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 Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

- 1.** Give a detailed account of different modes of reproduction in fungi.

2. Write in detail note on nutritive and medicinal importance of mushrooms.
3. What are biopesticides? Give an account of fungal biopesticides.
4. Write a detailed note on the bacterial diseases in plants. Discuss their symptoms and control measurements in plants.
5. Explain the symptoms, causal organism, disease cycle and control measures of loose smut of wheat.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

1. Give a brief account of parasexual cycle in fungi.
2. Write a short note on Vesicular arbuscular mycorrhizae (VAM).
3. Write about the role of fungi in food industry.
4. Write a short note on fungal enzymes.

5. Give a brief account of fermentation process for citric acid production.
 6. Write a short note on symptoms of viral diseases in plants.
 7. Write a short note on leaf curl of papaya.
 8. Write briefly about damping off disease in tobacco.
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