

Roll No.

313468

S-3207

**M. Sc. (Third Semester)
EXAMINATION, 2023-24**

BOTANY

Paper XVI (B)

(Diversity and Cultivation of Mushrooms)

[BOT-E-02(B)]

Time : Two Hours]

[Maximum Marks : 60

Note : Attempt any *four* questions. All questions carry equal marks.

What are mycorrhizae ? Describe different types of mycorrhizae. How are they useful for human society ? Give an account of collection, preservation and identification of fleshy higher fungi.

3. Write a detailed note on the diseases and pests of mushrooms.
4. Distinguish between any *three* of the following :
 - (a) Mushrooms and Toadstools

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- (b) Agaricales and Polyporales
 - (c) Hypogeous and Epigeous fungi
 - (d) Universal veil and Partial veil
 - (e) Ascocarp and Basidiocarp
5. Discuss the potential applications of computer in mushroom science.
6. Comment briefly upon the following :
- (a) Cantharelloid forms
 - (b) Clavarioid forms
 - (c) Hydroid forms
7. Give a concise account of the following :
- (a) Lycoperdales
 - (b) Nidulariales
 - (c) Sclerodermatales
8. Write short notes on any *three* of the following :
- (a) Mushroom toxins
 - (b) Bioluminescence
 - (c) Coprophilous fungi
 - (d) Clamp connections
 - (e) Gel Electrophoresis