

2025

M.Sc. 1st Semester Examination

BOTANY

Paper : BOTC404X0

(Fungal Biology)

Full Marks : 25

Time : One Hour

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *two* questions : $2 \times 2 = 4$

1. Name one antifungal antibiotic mentioning its fungal source.
2. What is dolipore septum? Where is it found?
3. Name two ascomycetous edible mushrooms.
4. Name one basidiomycetous fungus where clamp connection is not found.

P.T.O.

(2)

Group - B

Write short notes on any *two* of the following :

4×2=8

5. VAM
6. Buller's phenomenon
7. Crozier formation; and
8. Parasexuality in fungi

Group - C

Answer any *one* question :

8×1=8

9. Write any one modern system of fungal classification up to phylum emphasizing the criteria used. 6+2
10. Define heterothallism. Discuss different types of heterothallism found in fungi and cite examples. 1+7

Internal Assessment : 5 marks
