

M.Sc. 1st Semester Examination, 2024

BOTANY

(Mycology)

PAPER – BOT-104

Full Marks : 25

Time : 1 hour

Answer **all** questions

The figures in the right hand margin indicate marks

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

GROUP – A

Answer any **two** questions : 2×2

1. What are VAM fungi ?
2. Define parasexual cycle.

(Turn Over)

(2)

3. Name the source and use of riboflavin.
4. What is heterothallism ?

GROUP – B

Write short notes on any **two** : 4×2

5. Unique features of fungi.
6. Phylum Glomeromycota.
7. Ecological role of fungi.
8. Tetrapolar heterothallism.

GROUP – C

Answer any **one** question : 8×1

9. Discuss in detail about Phyla Ascomycota & Basidiomycota along with examples. $4 + 4$

(3)

10. Write the role of fungi in citric acid production. Describe the mating system of *Neurospora crassa*. 4 + 4

[Internal Assessment — 5 Marks]
