

M.Sc. 1st Semester Examination, 2024

BOTANY

(Gymnosperms)

PAPER – BOT-107

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** of the following : 2 × 2

1. Why Pteridosperms are known as seed ferns ?
2. What is cedar wood oil ? What is its utility ?

(Turn Over)

(2)

3. What is capitate gland ? Where is it found ?
4. Name the female fructification of *Corystosperma* maceae. From where it was discovered ?

GROUP-B

Answer any **two** of the following : 4×2

5. Schematically represent the evolution of male fructifications of *Medullosaceae*.
6. Write a short note on medicinal properties of gymnosperms.
7. Write a note on female reproductive organs of *Glossopteris* plant.
8. Describe *Lagenostoma ovule*.

GROUP-C

Answer any **one** of the following : 8×1

(3)

9. Describe different parts of a *Pentoxylon* plant. 8
10. Characterize Cycadales. Name the extant genera of the group. Name the families of modern conifers and mention the basis of the classification. 3 + 2 + 3

[Internal Assessment – 5 Marks]
