

M.Sc. 1st Semester Examination, 2024

BOTANY

(*Pteridophytes*)

PAPER – BOT-106

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. Name two endangered pteridophytes of India.

(Turn Over)

2. What is parichnos scar ?
3. Write down the differences between leptosporangiate and eusporangiate pteridophytes.
4. What is false indusium ? Mention its function.

GROUP – B

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

4 × 2

5. Gametophytic structures of early vascular plants.
6. *Lepidocarpon* sp.
7. Apogamy in pteridophytes.
8. Economic importance of pteridophytes.

GROUP – C

Answer any **one** of the following :

8 × 1

9. Characterize Trimerophytopsida. How does the group differ from Zosterophylloids. Why Trimerophytopsida is regarded as a cardinal group regarding evolution of higher groups of pteridophytes. 3 + 2 + 3
10. Who established the group Progymnosperms and on what basis? Mention the families of the group. Describe the leaf and male reproductive structures of *Archaeopteris* plant. 2 + 2 + 4

[Internal Assessment — 5 Marks]
