

2025

M.Sc. 1st Semester Examination

BOTANY

Paper : BOTC406X0

(Vascular Cryptogams)

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 endangered and one heterosporous pteridophytes. What is coenosori. $\frac{1}{2} + \frac{1}{2} + 1$
2. Write the new name of *Rhynia major* and who did it? Mention the basis behind this new nomenclature.
3. What is acrostichoid sorus? Cite an example where such kind of sorus was found.
4. What is meant by apospory in pteridophytes? Mention its significance.

P.T.O.

(2)

Group - B

Answer any *two* questions : $4 \times 2 = 8$

5. Write a note on male and female reproductive structure of *lepidodendron*. $2+2$
6. What are meant by marginal sori, submarginal sori and superficial sori? Give one example of each type. $1+1+2$
7. Write a short note on Asteroxylon.
8. Write, in brief, about the economical and ecological importances of pteridophytes.

Group - C

Answer any *one* question : $8 \times 1 = 8$

9. Who established the group progymnosperms and how? Mention the orders of this group. Write a note on gametophytic structure of Rhyniopsida. $3+1+4$
10. Characterize Filicopsida. What is meant by incipient heterospory? Give an example, which pteridophyte is called as resurrection plant and why? Differentiate eusporangiate from leptosporangiate. $2+2+2+2$

Internal Assessment : 5 marks
