Second Semester B.Sc., Degree Examinations

May / June 2026

(SEP Scheme)

BOTANY

Sub. Code SSB 0260 : Paper II : Bryophytes, Pteridophytes & Gymnosperms

Time: 3 hrs.] *[Max.Marks:80*

Instruction to the Candidates :

1. *The student should legibly write Section number along with question numbers within the margin only.*
2. *The answers without Section number and question numbers will not be valued.*
3. *Do not write anything (except register number) on the question paper.*
4. *All Sections are Compulsory.*
5. *Draw neat and labelled diagram wherever necessary.*

SECTION – A

I. Answer ALL the following questions. **(10X2=20)**

1.

a) What are Amphigastria? Give example.

b) What is Protonema? Give example.

c) Name the different Eras of Geological time scale.

d) What is Heterosporous form? Give example.

e) What are Enations? Give example.

f) What is Sporocarp? Give example.

g) Name any two species of Lycopodium.

h). Name the two types of scales in Pinus Megasporophyll.

i) What is Cupule? Give example.

j) What is Transfusion tissue? Mention its function.

SECTION – B

Answer any SIX of the following questions. **(6X5=30)**

2. Explain the dorsal and ventral side of Riccia Gametophyte.

3. Write a note on Lepidodendron.

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4. Describe the morphology of Equisetum plant body with a neat, labelled diagram.
5. Explain stelar evolution in Pteridophytes.
6. Describe T.S. of Marsilea Rhizome.
7. Give the economic importance of Gymnosperms.
8. Explain the morphology of Pinus sporophyte with a neat labelled diagram.
9. Describe T.S. of Cycas leaf let

SECTION – C

II. Answer any THREE questions. **(3X10=30)**

10. Describe L.S. of Porella sporophyte with a neat, labelled diagram.
11. Give the General characters of Bryophytes.
12. Explain the morphology of Selaginella and write a note on L.S. of strobilus with a neat, labelled diagram.
13. With a neat labelled diagram, explain the T.S. of pinus needle.
14. Describe L.S. of Gnetum ovule with a neat, labelled diagram.

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