



RAN-2303080402010003

M. Sc. (Sem.-II) Examination September - 2025

Botany : Bryophytes, Pteridophytes, Gymnosperms & Paleobotany (Paper-2001)

[Total Marks: 70

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book (2) Neat correct and labelled diagram will add to the value of the answers. (3) Figures to the right indicate full marks of each question.	Seat No.: <table border="1"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> Student's Signature						

Q.1. Answer any one of the following: (16)

1. Describe affinities of Gymnosperms with Pteridophytes and Bryophytes.
2. Explain Telome theory in Pteridophytes.

Q.2. Explain heterospory and seed habit of Pteridophytes. (18)

OR

Q.2. Describe: (18)

1. Similarities and difference between Psilotopsida and Lycopsidea.
2. Geological time scale.

Q.3. Describe any two of the following: (18)

1. Classification of Pteridophytes.
2. Apogamy and apospory in Pteridophytes.
3. Affinities of Gymnosperms.

Q.4. Describe any two of the following: (18)

1. Economic importance of Gymnosperms.
2. Principal characters of Cycadales and Gnetales.
3. Economic importance of Bryophytes.