2303080402010003

EXAMINATION APRIL 2024
MASTER OF SCIENCE (BOTANY) (SECOND SEMESTER)
BRYOPHYTES, PTERIDOPHYTES, GYMNOSPERMS & PALEOBOTANY

[**Time: Three Hours]** **[Max. Marks: 70]**

Instructions:

1. **1. Fill up strictly the following details on your answer book**
   a. Name of the Examination : **MASTER OF SCIENCE (BOTANY) (SECOND SEMESTER)**
   b. Name of the Subject : **BRYOPHYTES, PTERIDOPHYTES, GYMNOSPERMS & PALEOBOTANY**
   c. Subject Code No : **2303080402010003**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

Student's Signature

Q.1 Describe any one of the following: **16**

1) General account of Hepaticopsida.
2) Heterospory and seed habit in Pteridophytes.

Q.2 What is paleobotany? Explain type of Fossils. **18**

OR

Q.2 Describe: **18**

1) General account of lycopsida.
2) Affinities of Gymnosperms.

Q.3 Describe any two of the following: **18**

1) Evolution of sporophytes in Bryophytes.
2) Similarities and difference between bryophytes and pteridophytes.
3) Economic importance of Gymnosperm.

Q.4 Describe any two of the following: **18**

1) What is the difference between pteridophytes and Gymnosperm. Describe general characters of Gymnosperm.
2) Ecological aspects and Economic importance of Bryophyta.
3) What is apogamy in Pteridophytes? Explain similarities between Apogamy and Apospory.

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