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SUBJECT CODE NO: - BNP-2687
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (NEP) (P-2024) S.Y Sem III
Examination November / December 2025
Botany (Diversity of Cryptogams-II)

[Time: 1 Hours]**[Max. Marks: 30]**

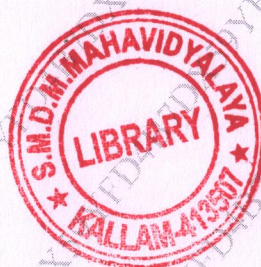
Please check whether you have got the right question paper.

N. B

- i) Question No. 1 is multiple choice objective type and it is compulsory. It carries 10 marks.
- ii) Attempt any four questions from Q.2 to Q.7. Each of these questions carries 5 marks
- iii) Figures to the right indicate full marks.

PART A**Q1 Attempt all MCQs.**

- 1) Which of the following is absent in bryophytes?
a) Vascular b) Rhizoid c) Gametes d) Sporer
- 2) Gemma cup are found in -----
a) Funaria b) Marchantia c) Anthoceros d) Sphagnum
- 3) Spore producing organ in bryophytes is-----
a) Foot b) Seta c) Capsule d) Archegonium
- 4) The spores which are of same size and shape the plant is said to be as-----
a) Aposporous b) Hetero sporous c) Homosporous d) All the above
- 5) Telome theory was proposed by-----
a) Eames b) Zimmermann c) Mehta d) Sahni

**10****PART B****LONG ANSWER QUESTIONS**

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|--|---|
| Q2 Describe the morphological and anatomical structure of thallus of Marchantia. | 5 |
| Q3 Describe the life cycle of Anthoceros with suitable diagrams | 5 |
| Q4 Give a detailed account of economic importance of Bryophyte | 5 |
| Q5 Describe the structure of sporophyte of Psilotum. | 5 |
| Q6 Describe in detail morphology and Anatomy of Marsilea | 5 |
| Q7 Describe in detail heterospory and seed habit | 5 |