

Exam. Code : 210002
Subject Code : 4841

M.Sc. Botany 2nd Semester (Batch 2021-23)
BOTC-527 : BRYOLOGY

Time Allowed—3 Hours] [Maximum Marks—50

Note :— Attempt FIVE questions in all, selecting at least ONE question from each section. The FIFTH question may be attempted from any section. All questions carry equal marks.

SECTION—A

1. Explain the following :—
 - (a) Habit and habitat of bryophytes.
 - (b) Primitive vs Advanced Characteristics features of Bryophytes. 10
2. Why bryophytes are known as the Amphibians of plant kingdom ? Explain briefly their distribution. 10

SECTION—B

3. Describe briefly the diagrammatic life cycle of Riccia. 10

4. Explain the following :—
- (a) Comparative account of gametophyte of Andrea and Spheroecarpus.
 - (b) Comparison of sporophyte of Cyathodium and Lunularia. 10

SECTION—C

5. Give a brief account of evolution of gametophyte in Mosses. 10
6. Give brief account of changes in Sporogonium in different orders of bryophytes from evolutionary point of view. 10

SECTION—D

7. Write the different methods of seed dispersal in Bryophytes. 10
8. Explain the following :—
- (a) Peristomal teeth in mosses.
 - (b) Endohydric and ectohydric bryophytes. 10