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SUBJECT CODE NO:- B-2159
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. F.Y (Sem.-II) Examination OCT/NOV 2019
Botany Paper- IV
Diversity of Cryptogams-II

[Time: 1:30 Hours]

[Max. Marks:50]

Please check whether you have got the right question paper.

- N.B i) Attempt all questions.
 ii) Draw neat and well – labeled diagram wherever necessary.
- Q.1 Describe the external structure of Marchantia thallus and add a note on T. S of thallus. 20
 OR
 Explain in detail life cycle of funaria
- Q.2 Give an account of various types of gametophytes found in Lycopodium. 20
 OR
 Explain in brief: (any four)
 A. Gemma cup
 B. Sent features of Bryophyta
 C. synangium.
 D. Rhizophore
 E. Sporocarp
 F. Strobilus of selaginella
- Q.3 Multiple choice questions. 10
 1. Bryophytes grow in habitats that are:
 a) dry b) Moist c) salty d) Marshy
 2. Bryophytes are
 a) Aquatic b) Amphibians c) Terrestrial d) Aerial.

3. In Bryophytes embryonic development of zygote takes place in.
 - a) Antheridium
 - b) sporangium
 - c) capsule
 - d) Archegonium.
4. ----- plant is called as cord moss.
 - a) marchantia
 - b) funaria
 - c) Marsilea
 - d) psilotum
5. Whisk fern is -----
 - a) psilotum
 - b) selaginella
 - c) Lycopodium
 - d) Marsilea.
- 6) Class Eligulopsida is of -----
 - a) psilotum
 - b) Lycopodium
 - c) selaginella
 - d) Marsilea
7. Trabeculae in selaginella are modified:
 - a) Endodermal cells
 - b) Pericycle cells.
 - c) cortical cells
 - d) Pericycle and endodermal cells.
8. Rhizophore is a
 - a) Root
 - b) stem
 - c) sui- generis
 - d) Rhizoids.
9. Ridges and grooves are present on the stem of:
 - a) psilotum
 - b) Marsilea
 - c) selaginella
 - d) Equisetum.
10. Presence of air cavities in the stem of Equisetum indicates the feature of
 - a) Hydrophytes
 - b) Xerophytes
 - c) mesophytes
 - d) Halophytes.