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SUBJECT CODE NO: - Y-2052
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. F.Y (Sem-II)
Examination March / April - 2023
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

- 1) Attempt all questions.
- 2) Draw neat and well-labelled diagram Wherever necessary.

- Q1 Describe the structure of Marchantia gametophyte 20
- OR**
- a) General Characters of Bryophytes 10
 - b) structure of Funaria sporophyte 10
- Q2 Give an account of external and Internal structure in Marsilea sporophyte 20
- OR**
- write in brief (any Four) 20
1. Apophysis
 2. Types of steles in Lycopodium
 3. Selaginella strobilus
 4. Economic Importance of Bryophytes
 5. Prothallus of Equisetum
 6. Psilotum sporophyte
- Q3 Multiple choice questions 10
- 1) Which of the Following is non vascular embryophyte?
 a) Thallophyta b) Bryophyta c) pteridophyte d) All of the above
 - 2) Bryophytes are of _____
 a) Great Economic value
 b) Non value at all
 c) Great ecological Importance
 d) No aesthetic value
 - 3) Elaters are present in sporangium of
 a) Marchantia b) Funaria c) Selaginella d) Riccia
 - 4) Gemmae are vegetative reproductive structure found in
 a) Angiosperm b) Algae c) Bryophytes d) Pteridophytes
 - 5) Function of elaters is
 a) Absorption of food b) Conduction of sap
 c) spore dispersal d) provide support

- 6) Evolutionary Importance characters of Selaginella is
 - a) Heterosporous nature
 - b) Rhizophore
 - c) strobil
 - d) Ligule
- 7) Seed habit originated in
 - a) Bryophytes
 - b) Pteridophytes
 - c) Fungi
 - d) Gymnosperm
- 8) Commonly these pteridophyte plant called as 'ground pines'
 - a) Psilotum
 - b) Marsilea
 - c) Lycopodium
 - d) Selaginella
- 9) If Sori develops in a special nut Like structure, then it is called as sporocarp it occurs in
 - a) Marsilea
 - b) Lycopodium
 - c) Psilotum
 - d) Equisetum
- 10) Psilotum plant is
 - a) Disporous
 - b) Trisporous
 - c) Tetrasporous
 - d) Homosporous