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SUBJECT CODE NO: - YY-2381
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc (CBCGS)(Pattern 2022) F.Y SEM II
Examination April / May - 2024
Botany Paper-IV Divercity of Cryptogams-II

[Time: 1:30 Hours]

[Max. Marks: 40]

Please check whether you have got the right question paper.

N. B

- 1) Attempt all questions.
- 2) Illustrate your answer with Suitable labelled diagrams.

Q.1 Give an account on gametophyte of Anthoceros.

10

OR

Describe in brief

- a) General characteristics of Bryophytes
- b) Sporophyte of Funaria



Q.2 Describe Structure of Gametophyte of Lycopodium

10

OR

Describe in brief.

- a) Development of sporangium in Equisetum.
- b) T.S. of Sellaginella root.

Q.3 Write short notes on (Any two)

10

- a) T.S. of Marchantia Thallus.
- b) Internal Structure of Rhynia.
- c) Economic importance of pteridophytes

Q.4 Multiple choice questions.

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- 1) Bryophytes grows in habitat that are _____
 - a) Marshy
 - b) Dry
 - c) Salty
 - d) Moist
- 2) The most advanced sporophyte in bryophyte is _____
 - a) Funaria
 - b) Marrilea
 - c) Marchantia
 - d) Lycopodium.



- 3) _____ is known as club moss.
- a) Equisetum
 - b) Selaginella
 - c) Lycopodium
 - d) Rhynia
- 4) Ligule and cones are seen in _____
- a) Selaginella
 - b) Lycopodium
 - c) Isoetes
 - d) Psilotum
- 5) Reduction division in pteridophytes occurs when _____
- a) Prothallus is formed
 - b) Gametes are formed
 - c) Spores are formed
 - d) Sexorgans are formed
- 6) Presence of air cavities in the stem of Equisetum indicates _____
- a) Hydrophytic feature
 - b) Xerophytic feature
 - c) Halophytic feature
 - d) Mesophytic feature
- 7) The Antherozoids of Marchantia are _____
- a) Mono flagellate
 - b) Biflagellate
 - c) Quadri flagellate
 - d) Multi flagellate
- 8) In Bryophytes, simplest sporophytes is found in _____
- a) Marchantia
 - b) Sphaerotrpus
 - c) Funaria
 - d) Riccia
- 9) In _____ Sales and tuber culate rhioids are absent.
- a) Riccia
 - b) Marchantia
 - c) Anthoceros
 - d) None of the above
- 10) Horse tail is the common name of _____
- a) Selaginella
 - b) Dryopteris
 - c) Equisetum
 - d) Marsilea.