

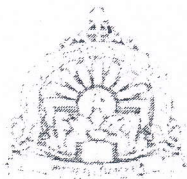
ACharutarVidyaMandal's Institution

V.P.&R.P.T.P.SCIENCECOLLEGE

(AUTONOMOUS) (Grant-in-Aid)

Affiliated to Sardar Patel University

VALLABHVIDYANAGAR-388120



Bachelor of Science (Semester 2) External Examination - 2025

Subject Code: USO2MIBOT01 Subject Name: Introduction to Archegoniate

Date: 09-04-25 (Wednesday)

Time: 02:00PM to 03:30PM (1.5 HRS)

Total marks : 25

Q-1 Write the most appropriate answer from the following multiple-choice questions.

[05]

(1) Peat moss is the common name of

(a) Riccia

(b) Funaria

(c) Sphagnum

(d) Polytrichum

(2) Father of Indian Bryology is :

(a) Rajkumar

(b) Shiv Ram Kashyap

(c) S.K. Pande

(d) R.S. Chopra

(3) Star shaped stele is known as:

(a) Mixed protostele

(b) Siphonostele

(c) Actinostele

(d) Plectostele

(4) Vallecular canal are found in the stem of :

(a) Lycopodium

(b) Fern

(d) Equisetum

(d) None of these

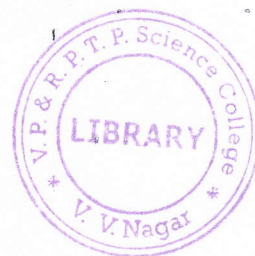
(5) Cycas is an example of :

(a) Hydrophyte

(b) Xerophyte

(c) Halophytes

(d) Mesophytes



Q-2 (a) Explain internal structure of Riccia thallus.
(b) Sketch and label L.S. of Funaria capsule.

[05]

[05]

OR

Q-2 (a) Describe sporophyte of Sphagnum.
(b) Describe Anthoceros capsule with diagram.

[05]

[05]

Q-3 (a) Describe the internal structure of Lycopodium stem.
(b) Describe internal structure of cycas leaflet.

[05]

[05]

OR

Q-3 (a) Describe different type of stele.
(b) Explain strobilus of Equisetum.

[05]

[05]