

A Charutar Vidya Mandal's Institution

V.P. & R.P.T.P. SCIENCE COLLEGE

(AUTONOMOUS) (Grant-in-Aid)

Affiliated to Sardar Patel University

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Bachelor of Science (Semester 1) External Examination - 2024
Subject Code: US01MIBOT01 Subject Name: Phycology and Mycology

Date: 20-11-2024, (WEDNESDAY)**Time: 11:00 AM to 12:30 PM (1.5 HRS)****Total marks :25****Q-1 Write the most appropriate answer from the following multiple-choice questions. [5]**

(1) The study of algae comes under:

(a) Mycology

(c) Microbiology

(b) Phycology

(d) Pathology

(2) Basal heterocyst is present in:

(a) Ectocarpus

(c) Gloetrichia

(b) Zygnema

(d) Nostoc

(3) Star shaped chloroplast is present in:

(a) Volvox

(c) Zygnema

(b) Nostoc

(d) Ectocarpus

(4) The cell wall of fungus is made up of:

(a) Chitin

(d) Lipid

(b) Lignin

(d) Protein

(5) Uredospore is present in:

(a) Mucor

(c) Puccinia

(b) Albugo

(d) None of the above



Q-2 (a) Describe the thallus structure and reproduction in Nostoc. [05]

(b) Explain false branching in Scytonema. [05]

OR

Q-2 (a) Describe type of conjugation in Zygnema. [05]

(b) Explain role of algae in agriculture and industry. [05]

Q-3 (a) Describe the internal thallus structure of Lichen. [05]

(b) Explain asexual reproduction in Aspergillus. [05]

OR

Q-3 (a) Describe asexual reproduction in Albugo. [05]

(b) Explain vegetative structure of Rhizopus. [05]