



A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE
(AUTONOMOUS) (Grant-in-Aid)
Affiliated to Sardar Patel University
VALLABH VIDYANAGAR-388120



Bachelor of Science (Semester 1) Internal Examination - 2024

US01MIBOT01 : PHYCOLOGY AND MYCOLOGY

Date: 4th October 2024 Day: Friday Time: 11:00 AM to 12:00 P.M Total marks :20

Q-1 Choose the correct answer from the given options.

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1) What type of thallus structure is found in Oscillatoria?

A) Unicellular B) Filamentous C) Colonial D) Multinucleate

2) Who among the following phycologists made significant contributions to the classification of Indian freshwater algae?

A) F.E. Fritsch B) T.V. Desikachary C) M.O.P. Iyengar D) H.D. Kumar

3) Which pigment system is unique to red algae ?

a) Phycocyanin b) Phycoerythrin c) Chlorophyll c d) Chlorophyll

4) The cell walls of fungi are primarily composed of:

A) Chitin B) Cellulose C) Lignin D) Peptidoglycan

5) Fungi obtain their nutrients by:

A) Photosynthesis B) Absorption C) Ingestion Lignin D) Chemosynthesis

6) Aspergillus belongs to which phylum of fungi?

A) Zygomycota B) Ascomycota C) Basidiomycota D) Oomycota

Q-2 Explain Economic importance of Blue green Algae

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OR

Q-2 Explain Sexual reproduction in Zygnema.

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Q-3 Explain Life cycle of Puccinia.

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OR

Q-3 Explain: Ectomycorrhiza, Endomycorrhiza & their significance.

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