

No of printed pages: 01

Seat No.:



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 II) Internal Examination - 2025
US02MABOT01-BOTANY (Biodiversity)

Date: 04/03/2025

Time: 12.45-2.15 p.m

Day: Tuesday

Total marks :30

Note: Figures to the right indicate marks of the question.

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

[06]

- 1 Antony von Leeuwenhoek, the first to discover bacteria is from _____.
(a) U.K. (b) Sweden
(c) France (d) Holland
- 2 Which of the following enzymes is present in the bacteriophage _____.
(a) protease (b) lysosome
(c) Ureases (d) Succinic
- 3 Gloeocapsa is a _____ alga.
(a) colonial (b) filamentous
(c) unicellular (d) all
- 4 In _____ two types of branches (i) branches of limited growth and (ii) branches of unlimited growth are present.
(a) Oscillatoria (b) Batrachospermum
(c) Nostoc (d) Gloeocapsa
- 5 Mycology is the study of:
(a) algae (b) fungi
(c) bryophytes (d) pteridophytes
- 6 In Riccia, antherozoids are _____.
(a) long, curved & multiciliate (b) short & without any flagella
(c) elongated, curved & biflagellate (d) rod shaped & biciliate



Q-2 Write in general about viruses.

[06]

OR

Q-2 Write on economic importance of Bacteria.

[06]

Q-3 Write about: Algal culturing.

[06]

OR

Q-3 Describe: Sexual reproduction in Spirogyra.

[06]

Q-4 Explain: Asexual reproduction in Rhizopus.

[06]

OR

Q-4 Describe: Lichen.

[06]

Q-5 Draw a labelled diagram of Riccia Internal structure. Describe it.

[06]

OR

Q-5 Write about: Cycas.

[06]