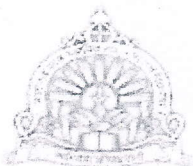


Seat No.:



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) External Examination - 2025
Subject Code: US02VABSC02 SUBJECT NAME: ENVIRONMENTAL STUDIES

Date: 12/04/2025

Time: 2:00 to 3:30 PM

Day: Saturday

Total marks :25

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

- Q-1 Write the most appropriate answer from the following multiple-choice questions. [05]**
- 1 **A zone consisting of water, land and air which support life is called**
(a) Atmosphere (b) Hydrosphere
(c) Lithosphere (d) Biosphere
 - 2 **The layer of atmosphere which provide the ideal site for flying of jet Aeroplane is**
(a) Thermosphere (b) Stratosphere
(c) Mesosphere (d) Troposphere
 - 3 **Lichen is a _____ biotic interaction**
(a) Bacteria-Virus (b) Virus-Bacteria
(c) Algae-Algae (d) Algae-fungi
 - 4 **In which type of interspecific interaction both species are benefited?**
(a) Commensalism (b) Competition
(c) Mutualism (d) Predation
 - 5 **Mycorrhiza is a _____ interaction.**
(a) Negative (b) Positive
(c) Competitive (d) None



- Q-2 Describe the following**
- A Describe different components of environment. [05]
B What is sustainability? What do you understand by sustainable development? [05]
- OR**
- A What are important of environmental studies [05]
B Write note on biological cycle: Carbon cycle with diagram [05]
- Q-3 Describe the following**
- A What is negative interaction? Write about predation and competition with suitable example in details. [05]
B What is parasitism? Explain different types of parasitism. [05]
- OR**
- A What is biotic interaction? Write note on biotic interaction with suitable example in details. [05]
B What is positive interaction? Write about Commensalism with suitable example in details. [05]