V.P.M.'S B. N. Bandodkar College of Science,
(Autonomous) Thane
(Affiliation to University of Mumbai)
T. Y. B. Sc. Examination 2022-2023
Semester-V November 2022

Duration:3 Hrs. Course code:USACEVS501 Max. Marks :100

N.B.
1. All questions are compulsory.
2. Draw neat labelled diagrams wherever necessary.
3. All questions carry equal marks.

Q.1. Answer any **two** of the following. **20**

a. Define pollution. Add a note on nuclear pollution.
b. Explain in brief effects of noise pollution.
c. What are the components of environment? Describe hydrosphere.
d. Explain pesticides and heavy metals as cause of water pollution. **20**

Q.2 Answer any **two** of the following
a. Explain green chemistry. Add a note on green economy.
b. Write a note on Agenda 21.
c. Describe twelve principles of green chemistry.
d. Explain difference between green chemistry and bioremediation.

Q.3. Answer any **two** of the following. **20**
a. What is wind energy?. Explain the role of wind turbines and state its uses.
b. Discuss the benefits of nuclear energy in today's world.
c. Elaborate Biogas plant in detail.
d. Explain the importance of bagasses and petrocrops for biofuel production.

Q.4. Answer any **two** of the following . **20**
a. Explain the concept of Environmental Accounting. State its Advantages and Limitations.
b. Elaborate on the practice of Environmental Accounting in India.
c. Elaborate on Environmental Audit. State the benefits of Environmental Auditing.
d. Explain the process for carrying out the Audit.

Q.5 Answer the following questions in brief (**any four**). **20**
i. Air pollution.
ii. Write a note on biosphere.
iii. Sustainable development goals.
iv. Forms of Environmental Accounting.
v. Energy from wastes.
vi. Advantages and disadvantages of solar energy.