

SAVITRIBAI PHULE PUNE UNIVERSIT

Progressive Education Society's

Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-411016 (Autonomous)

B.Sc. Blended Program

(A degree of Savitribai Phule Pune University equivalent to the degree of University of Melbourne)

End Semester Examination: April/May- 2024

Program: B.Sc. Blended **Program (Specific):** B.Sc. Blended (Chemistry) **Set:** B

Class: S.Y.B.Sc. Blended **Semester:** IV

Course code: EVS 412

Course name: Environmental Studies II (UGC Mandatory Course)

Credits: 2

Time: 1½ hours

Maximum marks: 25

Instructions to the candidate:

- 1) All questions are compulsory.*
- 2) Figures to the right indicate full marks.*
- 3) Draw a well labelled diagram wherever necessary.*

Q. 1) Select the appropriate answer. (Solve any 5 out of 6) **[1x5=5M]**

1. Which of the following is a renewable source of energy?
a) Coal b) Uranium c) Wind d) None of the above
2. What is an undesirable change in physical, chemical, or biological characteristics of air, land, water, or soil due to the introduction of contaminants called?
a. Succession b. Pollution c. Conservation d. Extinction
3. Measuring BOD (biological oxygen demand) is primarily used for.....
a) Estimating the types of microbes b) Determine the level of dissolved oxygen
c) Estimating the quantity of organic matter in sewage water d) None of the above
4. Which of the following chemicals is mainly responsible for ozone depletion?
a. Chloroflurocarbon b. Polyphenol c. Dioxin d. Not attempted
5. Which of the following is non-biodegradable?
a. Wool b. Nylon c. Animal bones d. Tea leaves
6. When did Water pollution prevention and protection Act come into existence in India?
a) 1964 b) 1984 c) 1974 d) 1954

Q.2) Answer in brief (Solve any 5 out of 6)

[2 x 5= 10M]

1. Enlist the requirement for field study.
2. Write effect of air pollution of human health.
3. Write about Chipko Movement.
4. What is disaster management?
5. Comment on environment ethics.
6. Write any two ways for safe disposal of radioactive waste.

Q.3) Answer the following. (Solve any 2 out of 3)

[5x2 = 10M]

1. Write a note on causes and mitigation strategies for Earthquake.
2. What is Marine pollution? Write causes and effects of marine pollution.
3. What are the causes of climate change and how information technology helps in protecting environment and human health?