

M.Sc. (Part-II) (Environmental Science) (CBCS Pattern) Sem-III
**PSCENVT12-A - Paper-XII - Foundation course : Fundamental of
Environmental Science**

P. Pages : 1

Time : Three Hours



GUG/W/22/11267

Max. Marks : 80

-
- Notes : 1. All questions are compulsory and carry equal marks.
2. Illustrate the answers with suitable diagrams and examples.

1. State the key concepts of environmental science with its general principles. Write about theoretical and applied aspects of environmental science. **16**

OR

- a) Explain the formation of earth. **8**
b) Write a note on Big Bang Theory. **8**

2. Explain the evolution of earth's atmosphere. Describe the composition of atmosphere with its physical and optical properties. **16**

OR

- a) Explain how main geomagnetic field of earth was originated? **8**
b) Discuss the fluvial and glacial processes of land surface. **8**

3. Name green house gases. Describe the sources of green house gases and their impacts on environment with their control measures. **16**

OR

- a) Explain global climate change process. **8**
b) Explain the effect of ozone layer depletion on environment. **8**

4. State the concepts and principles of sustainable development. Describe sustainability theory in detail. **16**

OR

- a) Write a note on Bishnoi tradition and Chipko movement. **8**
b) Describe world summit on sustainable development. **8**

5. a) Explain how evolution of human being occurred on earth. **4**
b) Describe earthquakes and volcanic activities as earth system processes. **4**
c) State the global scenario of CO₂ emissions. **4**
d) Explain the contribution of silent valley in environmental conservation. **4**
