

M.Sc. - I (Environmental Science) (NEP Pattern) Semester-I  
**NEP-41 / PMENVT01 - Fundamentals of Environmental Science**

P. Pages : 1

Time : Three Hours



**GUG/W/23/15094**

Max. Marks : 80

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

**1.** Explain the structure of the earth with neat sketch. Give its special features. **16**

**OR**

- a) Describe theoretical and applied aspects of environmental science. **8**  
b) Explain need and scope of environmental science. **8**

**2.** Discuss composition of atmosphere. Add a note on evolution of Earth's atmosphere. **16**

**OR**

- a) Explain ocean-land interface. **8**  
b) Describe erosional and depositional processes. **8**

**3** What are greenhouse gases? Explain their impacts on health and agriculture. **16**

**OR**

- a) Explain effects of global climate change. **8**  
b) Describe mechanism of formation of ozone layer in the atmosphere. **8**

**4.** Discuss concept and principles of sustainable development. **16**

**OR**

- a) Write about the following environmental movement. **8**  
i) Chipko movement  
ii) Bishnoi tradition

b) Explain Agenda-21. **8**

**5.** a) Explain big bang theory. **4**

b) Write about gravitational field of the earth. **4**

c) Give significance of ozone layer in the atmosphere. **4**

d) Explain corporate social responsibility. **4**

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