

**USENV T03-Environmental Science Paper-I**  
**Elements of Environmental Science**

P. Pages : 2

Time : Three Hours



**GUG/W/18/11580A**

Max. Marks : 50

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

1. Discuss physical properties of water w.r.t. surface tension, buoyancy and salinity. **10**

**OR**

a) Explain structure of water. **5**

b) Briefly explain temperature and pH as characteristics of ocean water. **5**

2. Discuss mechanism of formation and depletion of ozone. Add a note on significance of ozone layer. **10**

**OR**

a) Describe the consequences of global warming. **5**

b) Explain the effect of ozone depletion on man. **5**

3. Discuss formal environmental education in India. **10**

**OR**

a) Write about availability and quality of drinking water in India. **5**

b) Discuss highlights of Earth Summit 1992. **5**

4. Define sustainable development. Explain principles of sustainable development. **10**

**OR**

a) Write about Chipko movement. **5**

b) Explain the role of NGOs at national and international level. **5**

5. Answer in brief **any ten**. **1x10=10**

a) Define latent heat of water.

b) What are estuaries?

- c) Define delta.
- d) Name the gases responsible for green house effect.
- e) What is the unit of measurement of ozone?
- f) Name the two alternatives for CFCs.
- g) Write the names of two international environmental organisations.
- h) Explain the goals of environmental education.
- i) Explain the need of Environmental science.
- j) Briefly write about Jal Biradari Project.
- k) Name any two local NGOs which work for environmental protection.
- l) Name the river on which Tehri Dam is situated.

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