

Bachelor of Science (B.Sc.) (Part-I) Second Semester (Old Course)
2SEVST1-Environmental Science Paper-I : Environmental Chemistry

P. Pages : 2

Time : Three Hours



GUG/W/18/11580

Max. Marks : 50

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

1. Discuss in brief solubility of gases in water w.r.t. oxygen, Nitrogen and carbon dioxide. **10**

OR

Briefly discuss effects of climate change on polar ice caps, glaciers and agriculture. **10**

2. What are the objectives of environmental education? Discuss the formal environmental education in India. **10**

OR

Discuss the role of NGO's in environmental protection. **10**

3. a) Explain any two physical properties of water. **2½**

b) How global warming can be controlled? **2½**

c) Give the structure of Ministry of Environment and Forest. **2½**

d) Write explanatory note on Jal Biradari Project. **2½**

OR

e) Give the structure of water. **2½**

f) What are the effects of ozone layer depletion on biotic communities? **2½**

g) Give salient features of Earth summit. **2½**

h) What is Chipko movement? Explain in brief. **2½**

4. a) Give the composition of ocean water. **2½**

b) Write explanatory note on green house effect. **2½**

c) What is the need of environmental science? **2½**

d) Give the principles of sustainable development. **2½**

OR

- e) Describe zonation in surface water. 2½
- f) How green house effect is responsible for global warming? 2½
- g) Write a explanatory note on low cost waste water technologies. 2½
- h) Discuss the work of Bishnoi community for environmental protection. 2½

5. Answer in 2-3 lines **any ten.** **10**

- a) What is Brackish water?
- b) What is pH?
- c) What are estuaries?
- d) Define global warming.
- e) Which unit is used to measure the ozone layer?
- f) How to protect the ozone layer?
- g) When Earth summit was held?
- h) Name environmental organizations at National level.
- i) What is the concept of green industries?
- j) Where is Tehri dam situated?
- k) Who is the founder leader of Narmada Bachao Andolan?
- l) Define sustainable development.
