

M.Sc(Environmental Sci.) Semester - 1 (CBCS) Examination**JAN/FEB-2022****Basic Environmental Science****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

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- Q.1 Answer the following (any 7) 14**
1. What is the difference between mist and dew?
 2. State the significance of biosphere.
 3. What are the causes of climate change?
 4. What is the percentage of oxygen in sea water?
 5. What is the difference between fresh water and seawater
 6. State the significance of water on earth surface
 7. What are noble gases?
 8. What is inversion and mixing heights?
 9. State the factors affecting soil development
 10. What is difference between bulk density and particle density
- Q.2 Answer the following (any two) 14**
1. Write a detailed note on climatic zones of earth
 2. State different form of precipitation. Explain in detail Rain, snow and fog
 3. Describe the Biosphere in context to environment
- Q.3 Answer the following**
1. Describe the classification of elements found in atmosphere **05**
 2. What is 'Earth's Energy budget'? **05**
 3. State the functions of atmosphere **04**
- Q.4 Answer the following**
- A. Attempt any two 10**
1. Explain the physical properties of water.
 2. State the distribution of water on the surface of the earth
 3. Describe the solubility of gases in water
- B. Attempt any one 04**
1. Explain the structure of water
 2. Describe the fresh water chemistry
- Q.5 Answer the following (any two) 14**
1. Write a detailed note on properties of seawater
 2. What are manganese nodules? Explain in detail
 3. Which are the chemical and physical properties of soil
 4. Describe different types of soil and their formation
