

Exam Seat No: \_\_\_\_\_

Enrollment No: \_\_\_\_\_

## C.U.SHAH UNIVERSITY

Wadhwan City

Subject Code **4LS01EVS1**

Summer Examination-2014

Date: 29/05/2014

Subject Name: **Environmental Science**

Branch/Semester:- B.Sc(Micro)/I

Time:10:30 To 1:30

Examination: Remedial

### Instructions:-

- (1) Attempt all Questions of both sections in same answer book / Supplementary
- (2) Use of Programmable calculator & any other electronic instrument is prohibited.
- (3) Instructions written on main answer Book are strictly to be obeyed.
- (4) Draw neat diagrams & figures (If necessary) at right places
- (5) Assume suitable & Perfect data if needed

### SECTION -I

- Q.1. Define the terms:
- a. Consumer (1)
  - b. Abiotic component (1)
  - c. Respiration (1)
  - d. Decomposers (1)
  - e. Symbiosis (1)
  - f. Autotroph (1)
  - g. Ecosystem (1)
- Q.2. a. What is ecological pyramid? Describe the pyramid of mass and energy with sketch. (5)
- b. Explain Green House Effect. What are various sources of green house gases? (5)
- c. Discuss the physical components of environment. (4)
- OR**
- Q.2. a. Write a note on applications of solar energy explaining its limitations. (5)
- b. Write short notes on (i) Acid rain (ii) Forest ecosystem (5)
- c. Why conservation of environment is needed? Explain in brief. (4)
- Q.3. a. Explain the concept of Energy flow in an ecosystem and trophic levels. (7)
- b. Describe uses and overuses of land and forest. (7)
- OR**
- Q.3 a. Why is environmental education important? Explain the impact of technology and development on environment. (7)
- b. Explain noise pollution, its effects and remedies (7)

### SECTION II

- Q.4. Define the terms:
- a. Biosphere (1)
  - b. Pollution (1)
  - c. Environment (1)
  - d. Phototropism (1)



- e. Estuaries (1)  
 f. Euphotic zone (1)  
 g. Producer (1)
- Q.5. a. Explain types and importance of biodiversity. (5)  
 b. Classify aquatic ecosystem and explain any one (5)  
 c. Explain phenomenon of ecological succession. (4)
- OR**
- Q.5. a. Prepare a list of fossil fuels and explain the environmental impacts of any one. (5)  
 b. Enlist and explain any two sources of water pollution. (5)  
 c. Give the classification of air pollutants based on source. (4)
- Q.6. a. What is biogeochemical cycle? Explain the nitrogen cycle and Sulphur cycle (7)  
 b. What is energy conservation? Why do we need to conserve energy? (7)
- OR**
- Q.6. a. Explain atmosphere and its components. (7)  
 b. Discuss the structural components of an ecosystem. (7)

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