

Exam.Code:0905  
Sub. Code: 6647

1128

**B.E. (Bio-Technology), First Semester**  
**GS-101: Introduction to Environment Science**  
**(Common with CSE, Civil and Mechanical)**

**Time allowed: 3 Hours**

**Max. Marks: 50**

**NOTE:** Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

I. Answer the following briefly:-

- a) What are the principles of environmental education?
- b) The flow of energy is one way and continuous in an ecosystem. Justify
- c) What are the units of noise measurement? What are the permissible levels of noise in (i) residential and (ii) hospitals?
- d) Why COD of sewage is higher than its BOD?
- e) How does land pollution contribute to water pollution? (5x2)

**UNIT - I**

II. What is sustainable development? Briefly describe the concept and important pillars of sustainable developments. (10)

III. Describe the structure and function of ecosystem. (10)

IV. a) Write a short note on following:-

- i) Chipko movement
- ii) Carrying capacity of environment

b) What are major implications of global warming? (5,5)

**UNIT - II**

V. a) Mention harmful effects of polluted ground water on soil and plants.

b) Write various steps to control water pollution. (5,5)

VI. a) Define solid waste management. Give classification of solid wastes.

b) What are the rules and regulations guiding waste management in India? (5,5)

VII. What are the effects of noise at physical, physiological and psychological level?(10)

x-x-x