

Exam.Code:0905

Sub. Code: 6647

1129

B.E. (Bio-Technology)

First Semester

GS-101: Introduction to Environment Science
(Common with Mechanical, Civil and CSE)

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) Mention the unit of measurement of noise intensity level.
- b) Why is carbon dioxide not being considered as air pollutant?
- c) Why water soluble pollutants usually don't get biomagnified?
- d) What does a trophic level refer to
- e) What type of project usually requires an Environment Impact Assessment?
- f) What is the structure of ecosystem?
- g) When is ozone considered as pollutant?
- h) Which oxide of nitrogen is major air pollutant released from automobile exhausts?
- i) What would Earth be like without greenhouse effect?
- j) What is standing biomass? (10x1)

UNIT - I

- II. a) Why is the concept of a food web more real ecologically than the concept of a simple food chain?
b) The flow of energy is one way and continuous in an ecosystem. Justify. (2x5)
- III. a) Discuss the occupational hazards related to air pollution industries.
b) Describe possible impacts of global warming. (2x5)
- IV. a) Explain the causes, effects and management options for various urban environmental issues.
b) If environmental degradation is considered as a side effect of development, express your views on the current pattern of development activities in India. (2x5)

P.T.O.

(2)

UNIT - II

- V. a) List the various ways in which an individual can contribute towards pollution prevention in the society. (2x5)
- b) Discuss the health effects of solid waste pollution. (2x5)
- VI. a) What are the physiological and psychological effects of noise?
- b) Write informative notes on:- (2x5)
- i) Decibel scale
- ii) Approaches for noise control
- VII. a) How do pollutants affect the following water parameters:
- i) Color
- ii) taste and odour
- iii) hardness
- b) Differentiate between sewage and sewerage
- c) What are the permissible limits of the following for drinking water:- (3,2,5)
- i) pH
- ii) total dissolved solids
- iii) chlorides
- iv) hardness
- v) Fluorides

x-x-x