Exam.Code:0906
Sub. Code: 6675

1048
B.E. (Information Technology)
Second Semester
GS-201: Introduction to Environment Science
(Common with ECE, EEE and Mechanical)

Time allowed: 3 Hours

Max. Marks: 50

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

x-x-x

I.   Answer the following briefly:

    a) What do you understand by the concept of sustainable development?

    b) Draw and label the pyramid of number in a parasitic food chain.

    c) The flow of energy is one way and continuous in an ecosystem. Justify.

    d) Why the excess of carbon dioxide in air is considered as pollutant?

    e) Describe the terms (i) Sound pressure and (ii) Frequency in reference to sound.

                                                        (5x2)

UNIT – I

II. a) Differentiate between the following (i) Smoke and fumes (ii) Point, line and area sources of air pollution, (iii) primary and secondary air pollutants.

    b) Write a short note on the functional components of an ecosystem.

    c) Outline the importance of EIA.   (6,2,2)

III. a) What are ecological pyramids? Explain why some of these pyramids are upright while others are inverted in different ecosystems with examples.

    b) List the ozone depleting chemicals.

    c) Why are tropical wet forests and estuaries most productive?   (6,2,2)

IV. a) What are the objectives and guiding principles of environmental studies?

    b) How does SO_2 gas affect human beings?

    c) Differentiate between gross and net primary productivity.   (6,2,2)

P.T.O.

UNIT – II

V. **a)** Define solid waste management. Give classification of solid wastes.

    b) Define noise pollution and threshold of hearing.

    c) What is biomethanation?   (6,2,2)

VI.   a) What are the different sources of noise pollution? How can it be controlled?

    b) Mention some advantages of recycling of waste.

    c) What is water quality standards set for drinking water for human beings? (6,2,2)

VII.   a) How do the pollutants affect the following water parameters (i) Color (ii) taste and odour and (iii) hardness.

    b) How does sewage containing oxidisable and fermentable matter affects the aquatic flora severely.

    c) What are the effects of noise at physical and physiological level?   (3,3,4)

x-x-x