

Exam.Code:0924

Sub. Code: 6520 ✓

2054

B.E. (Information Technology)
Sixth Semester
HSMC-601: Environmental Sciences ✓

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. Attempt the following:-

- a) What are VOCs and PAN?
- b) What is sustainable development?
- c) Which chemical factors influence the ecosystem?
- d) Why did the Minamata disease happen?
- e) What is the unit of measurement of noise and what is its permissible limit? (5x2)

UNIT - I

- II. Elucidate in detail the major air pollutants and their effects. What measures can be used to control air pollution? (10)
- III. a) Differentiate between
 - i) gross and net primary productivity
 - ii) primary and secondary air pollutants
 - iii) upright and inverted ecological pyramids.b) Explain the importance of EIA. (6,4)
- IV. a) What is ecosystem? Explain its different components.
b) Write a short note on the depletion of ozone layer due to industrialization. (2x5)

UNIT - II

- V. a) Describe what is noise pollution and how it can be controlled.
b) Explain in brief effect of water pollution on the environment. (2x5)
- VI. a) How do we classify solid waste? What are the methods for its disposal?
b) What are the main reasons of marine pollution and how it can be prevented? (2x5)
- VII. a) Explain the effect of overuse of harmful pesticides and heavy metal ions on soil.
b) Describe the terms (i) Eutrophication (ii) BOD. (7,3)

x-x-x