

1108  
B.E. (Information Technology)  
Second Semester  
GS-201: Introduction to Environment Sciences  
(Common with ECE, EEE 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 Section.

x-x-x

- I. Answer the following briefly:
- The scientist turned saint, who has been fighting for protection of river Ganga ----
  - Which ecosystem has highest annual average of gross primary production?
  - Give an example of detritus food chain.
  - What are chemical factors that influence the ecosystem?
  - Sound frequency is expressed in.....
  - Minamata disease occurred due to consumption of fish contaminated with ...
  - Why COD of sewage is higher than its BOD?
  - What is meant by the term Bioremediation?
  - Differentiate between point and diffused sources of water pollution.
  - September 16-23 is observed as----- 10 x 1 =10

Section A

- II a) What is the scope of environmental studies? (3)
- b) What are the steps taken by our government for environmental protection? (5)
- c) What is the concept of ecomark? What is the ecomark of India? (2)
- III a) Write a note on primary production. (2)
- b). Discuss significance of food chain and food web. (3)
- c) Define the terms i) trophic structure ii) decomposers (2)
- d) Explain why some of ecological pyramids are upright while others are inverted in different ecosystems. (3)
- IVa) Write the factors responsible for ozone depletion. (3)
- b) Discuss the effect of air pollution on plants. (2)
- c) How thermal power plants are considered as a source of air pollution? (3)



d) Write a short note on Bhopal Gas Tragedy. (2)

**Section B**

Va) Differentiate between composting and vermicomposting. (2)

b) Classify solid waste. What adverse effects can solid waste cause? (5)

c) What are the sources of urban and industrial solid wastes? (3)

VI a) Write a note on (a) ground water pollution (b) surface water pollution (4)

b) What are oxygen demanding wastes? (3)

c) How can you prevent the pollution of our oceans? (3)

VII a) What are the effects of noise pollution? (4)

b) What is CPCB? What are noise standards recommended by CPCB Committee? (4)

c) Write the steps to control noise pollution. (2)