

Time : 3 Hours

Maximum Marks : 80

Min. Passing Marks : 24

Unit-1

- 1. a) What do you understand by Renewable sources of Energy? Discuss various sources of renewable energy in our country. [Marks 8]**
- b) What is Eco-system? Discuss various components and functions of ecosystem in brief? [Marks 8]**

OR

- a) What do you understand by "Environmental Pollution"? Discuss the strategies to control the environmental pollution. [Marks 8]**
- b) What is Bio-diversity? Describe the ecological significance of bio-diversity. [Marks 8]**

Unit-2

- 2. a) What are the common impurities found in surface water? Discuss the ill effects of these impurities on mankind? [Marks 8]**
- b) Describe the functioning of septic tank with giving a neat sketch. [Marks 8]**

OR

- a) What is Environment Impact Assessment (EIA)? Give the necessary and methodology of implementing EIA. [Marks 8]**
- b) Enumerate the various techniques of wastewater treatment? Write the different steps of domestic wastewater treatment. [Marks 8]**

Unit-3

3. a) Explain Noise Pollution. What are the sources of noise pollution? Explain various measures to control noise pollution. [Marks 8]

b) Write short note on Acid Rain and Green house effect. [Marks 8]

OR

a) What is air pollution? What are the adverse effects of air pollution on human health? [Marks 8]

b) What is solid waste management? What are the various methods of disposal of municipal solid waste? [Marks 8]

Unit-4

4. a) What is Disaster? Give a brief classification of various types of disaster. [Marks 8]

b) Write short notes on the following :- [Marks 8]

1) Tsunamis

2) Cyclones

3) Landslides

4) Floods

OR

a) What is disaster management cycle? Give its essential components and explain each one of them. [Marks 8]

b) Write the do and don'ts for the safety related to earthquake, droughts, nuclear hazards and fire hazards. [Marks 8]

Unit-5

- 5. a) Discuss the seismicity and concept of seismic zoning as per IS-1893(2002). [Marks 8]**
b) Explain the various types of seismic waves with neat sketches. [Marks 8]

OR

- a) Write a brief note on plate tectonic theory giving a neat sketch of the Earth's structure. [Marks 8]**
b) What are the important points which one should keep in his mind while planning an earthquake resistant house? Discuss various types of structural systems. [Marks 8]