

5. Define Noise Pollution. Add a note on sources and effects of Noise Pollution. 12

OR

What is the purpose of Noise Pollution Monitoring ? Explain standard chart of Noise Pollution. Focus on the measurement of Noise Pollution Level. 12

6. Define Radiation Pollution. What are the sources of Radiation Pollution ? Explain the application of radioactive isotopes in various field. 12

OR

What are the effects of Radiation Pollution ? Explain radioactive fallout with its effect. 12

7. Describe :

- (a) Consequences of Ozone depletion 4
- (b) Effect of fluoride on human being 4
- (c) Bhopal Gas Tragedy. 4

OR

- (d) Causes of Global Warming 4
- (e) Effects of Ozone Depletion 4
- (f) London Smog. 4

AP-473

B.Sc. (Part-II) Semester-IV Examination

4S: ENVIRONMENTAL SCIENCE

(Environmental Pollution)

Time—Three Hours]

[Maximum Marks—80

Note :—(1) **ALL** questions are compulsory.

(2) Question Nos. 2 to 7 carry equal marks.

1. (A) Fill in the blanks :

- (i) _____ instrument is used to measure the R.S.P.M. $\frac{1}{2}$
- (ii) Artificial heating of environment is _____. $\frac{1}{2}$
- (iii) The mentioned scale of Noise of Salient Zone is _____. $\frac{1}{2}$
- (iv) _____ and _____ are the radioactive isotopes used during nuclear test. $\frac{1}{2}$

- (B) Choose the correct alternatives from the following :

- (i) Air pollutants enters into atmosphere by :
 - (a) Natural sources
 - (b) Man made sources
 - (c) Both $\frac{1}{2}$

- (ii) Chlorosis is :
 (a) Killing of tissue
 (b) Initiation of flowering
 (c) Loss of chlorophyll $\frac{1}{2}$
- (iii) Ozone layer situated along :
 (a) Troposphere
 (b) Stratosphere
 (c) Mesosphere $\frac{1}{2}$
- (iv) Which of the following is the unit of radiation ?
 (a) Curie
 (b) Caray
 (c) Db $\frac{1}{2}$

(C) Answer in **one** sentence : 4

- (i) Define air pollution.
 (ii) Enlist the greenhouse gases.
 (iii) Define Eutrophication.
 (iv) What is radioactive fallout ?

2. Explain in brief :

- (a) Causes of air pollution. 4
 (b) Effects of air pollution on human being. 4
 (c) Classification of air pollutants. 4

OR

- (d) Effects of air pollution on material with proper example. 4
 (e) Sources of air pollution. 4
 (f) What is the status of air pollution in India ? 4

3. Describe in brief :

- (a) Define and mention the sources of water pollution. 4
 (b) Explain in detail about Eutrophication of Lakes. 4
 (c) Explain the types of major water pollutant with sources. 4

OR

- (d) Focus on the types of water pollution. 4
 (e) Effects of water pollution on human beings. 4
 (f) Explain qualitatively and quantitatively drinking water quality standards. 4

4. (a) What are the causes of soil pollution ? 4
 (b) In what way municipal waste is responsible for soil degradation ? 4
 (c) What is the impact of soil pollutant on plants ? 4

OR

- (d) Which factors are responsible for soil degradation ? 4
 (e) Define and mention the causes of soil salination. 4
 (f) Explain the role of agricultural waste on soil biota. 4