

Bachelor of Science (B.Sc. PART-II) Third Semester OLD
B.Sc. 2391 - Environmental Science Paper-I (Pollution Science)

P. Pages : 2

Time : Three Hours



GUG/W/18/1264

Max. Marks : 50

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Illustrate the answers with suitable diagrams and examples.

1. What is acid rain? Discuss its causes, effects and control measures. 10

OR

Describe sources and effects of thermal pollution on environment. Add a note on issues associated with coal ash.

2. Define noise pollution. Describe its sources and effects on human beings. 10

OR

Define soil pollution. How agricultural practices, chemicals and mining activities are responsible for it?

3. a) Give classification of air pollutants. 2½x4
b) Write an account on surface water pollution. =10
c) Explain types and mechanism of radioactive fallout.
d) Highlight major routes of contamination of soil.

OR

- e) Describe London smog and Los Angeles smog as air pollution episodes.
f) Give an account on Minamata episode.
g) What are the types of occupational health hazards?
h) Discuss detrimental effects of soil pollutants.

4. a) What are factors influencing air pollution? How pressure, winds and moisture affects dispersion? 2½x4
b) Write in brief about fluoride in groundwater and its effects on human beings. =10
c) Discuss damages caused by radiation.
d) Enlist effects of industrial pollutants, domestic waste and heavy metals on soil.

OR

- e) Discuss air pollution problems from thermal power plants.
- f) What are effects of oil pollution on environment?
- g) Describe hazards in mining activities.
- h) Give an account on bioaccumulation and biomagnification of pesticides.

5. Answer in 2-3 lines **any ten.**

**1x1
=10**

- a) Give examples of criteria pollutants.
- b) What is non-point source of air pollution?
- c) What is smog?
- d) Define water pollution.
- e) Give examples of trace metals.
- f) Blue baby syndrome is associated with.
- g) In which unit noise is reported.
- h) Which radiations are emitted by cell phone?
- i) Name the disease associated with vibration.
- j) Give full form of PoP's.
- k) What is soil salination?
- l) State reasons for soil acidification.
