

AU-343

M.Sc. Part-I Semester-II (CBCS Scheme) Examination
ENVIRONMENTAL SCIENCE
(Air and Noise Pollution)
Paper-VII

Time : Three Hours]

[Maximum Marks : 80

- N.B. :-** (1) All questions are compulsory and carry equal marks.
 (2) Draw well labelled diagrams wherever necessary.

1. Write on :
 - (a) Natural Sources of air pollution. 5
 - (b) Transport and diffusion of air pollutants. 5
 - (c) Photochemical smog. 6

OR

 - (d) Photochemical oxidants. 5
 - (e) Vehicular pollution and urban air quality. 5
 - (f) Sulphur and Nitrogen oxides as air pollutants. 6
2. Write on :
 - (g) Green house gases. 5
 - (h) Ozone depleting process. 5
 - (i) Impacts of Acid rain. 6

OR

 - (j) Ozone hole. 5
 - (k) Strategies for ozone layer protection. 5
 - (l) Impacts of global warming. 6
3. Describe with examples effect of different air pollutants on human health. 16

OR

Describe the principles, construction and working of high volume sampler. 16
4. What is air pollution meteorology ? Discuss how wind speed, direction and their vertical profile affects the dispersion of air pollutants. 16

OR

Define meteorology. Explain plume behaviour and wind valley effects related to air pollution. 16
5. Write on :
 - (m) Properties of sound waves. 5
 - (n) Effects of noise pollution on human hearing mechanism. 5
 - (o) Noise pollution control measures. 6

OR

 - (p) Principles and working of noise level meter. 5
 - (q) Noise standards and guidelines. 5
 - (r) Noise pollution abatement measures. 6

