AIR AND NOISE POLLUTION

MODULE I

Source of air pollution; classification f aerosols, Gases vapors, natural pollutants; properties of air pollutants; Metrological factors influencing dispersion of air pollutants; Gaussian plume model for dispersion of air pollutants and its applications;

MODULE II

Effects on man material, vegetation, art treasure; Air pollution disasters; Economic Effects of air pollution; Global Effects of Air pollution; Air pollution due to automobiles and emission control; General concept of transport planning for prevention of air pollution;

MODULE III

Control technology for particulate and gaseous pollutants. Basics of noise pollution; Measurement of noise; permissible noise levels in different zones; Effects of noise.

TEXT BOOKS:

1. Air pollution control theory by Martin Crawford - McGraw-Hill, 1976

2. Air pollution control by A.C. Stern.

3. Air pollution control by H.C. Perkins - McGraw-Hill, 1974

4. Air pollution control by Joe O. Ledbetter- Dekker, 1972

5. Atmospheric Chemistry and Physics: From Air Pollution to Climate Change, 2nd Edition byJohnH.Seinfeld, Spyros N. Pandis.

6. Fundamentals of air pollution engineering. Environmental engineering by Seinfeld, John H.