

M.Sc. Examination 2018
Semester-IV
Environmental Science
Course : MEO-442
(Air Pollution and Health)

Time : 3 Hours

Full Marks : 40

Questions are of value as indicated in the margin.

Answer Question **No.1** and **any four** from the rest.

1. Write short notes on **any four** of the following : 2×4=8
 - (a) Fine particles
 - (b) COPD
 - (c) Smog
 - (d) Chronic Exposure
 - (e) Octave Bands
 - (f) Air Quality Index

 2. (a) What are settleable dust? 1+3+4=8
 - (b) How one can use plants for measuring dust?
 - (c) How do particulates affect plant biochemistry?

 3. (a) What are resistant plant species? How are they different from sensitive plant species? What are the usefulness of these plant sps. in air pollution and health studies? 2+2+4=8

 4. How forests help in the abatement of air pollution? 8

 5. “Indoor air pollution is a major environmental and public health concern.” – Explain by providing suitable evidences. 8

 6. How one can take the help of studying different lung functions, biochemical and epidemiological parameters for ascertaining effects of air pollution on human health? 8

 7. What are the possible air quality management strategies one can adopt for mitigating air pollution? 8
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