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[5130]-302

M.Sc.

ENVIRONMENTAL SCIENCE

**EVSC - 302: Environmental Pollution II: Air, Noise and Radiation
(2013 Pattern) (Semester - III) (Credit System)**

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) Solve any Five Questions from the following.*
- 2) Neat and labeled diagrams must be drawn wherever necessary.*
- 3) Figures to the right indicate full marks.*

Q1) Answer the following. **[10]**

- a) What are the sources of air pollution?
- b) What are primary and secondary air pollutants?

Q2) Answer the following. **[10]**

- a) What are the effect of air pollution on human?
- b) How air pollution is controlled in vehical?

Q3) Answer the following. **[10]**

- a) Explain in brief determination of SO_2 in air.
- b) Enlist the equipments for air pollution control with principles.

Q4) Answer the following. **[10]**

- a) What are the sources of noise pollution?
- b) Write in brief effects of noise pollution.

Q5) Answer the following. **[10]**

- a) What is noise? Explain the methods of noise pollution control.
- b) What is radiation? Enlist the sources of radiation.

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Q6) Answer the following. **[10]**

- a) Write a note on somatic effect of radiation.
- b) Discuss the ICRP recommendation for radiation protection.

Q7) Answer the following. **[10]**

- a) Explain any three units of radiation measurement.
- b) Explain mechanism of hearing with suitable diagram.

Q8) Write short notes on **[10]**

- a) Scrubbers.
- b) Semiconductor detectors.

