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Second Semester M.Sc. Degree Examination, August 2017
Branch : ENVIRONMENTAL SCIENCES
ES 223 : Environmental Pollution and Toxicology
(2013 Adm. Onwards)

ime : 3 Hours Max. Marks : 75

I. Answer **any ten** of the following : **(10×2=20 Marks)**

1) Differentiate pollutant and contaminant.
2) What do you mean by sick building syndrome ?
3) Major pollutants in vehicular exhaust.
4) Storm water and its effect on solid content in pond water.
5) Importance of *Thiobacillus ferrooxidans* in iron mining.
6) Food borne botulism.
7) Differentiate nuclear fission and nuclear fusion.
8) Impact of thermal pollution on dissolved oxygen.
9) Define the terms : xenobiotic and teratogen.
10) Define eco-toxicology.
11) What is bio-assay ?
12) Cumulative dose response curve.

II. Answer **any five** of the following : **(5×5=25 Marks)**

13) Briefly discuss on point and non point sources of pollution and its implication on pollution control.
14) Eutrophication of water bodies.
15) Impacts on soils induced by fertilizers.

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16) Noise pollution.

17) Elaborate on ADME of toxics.

18) Brief note on water borne diseases, causes and control.

19) Occupational health hazards.

III. Answer **any two** of the following : **(2×15=30 Marks)**

20) Discuss about the wastes from agricultural operations, its effects and management.

21) Write an essay on tannery pollution, its impact and management.

22) Discuss on major environmental accidents across the world.

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