

5556057

Seat No. \_\_\_\_\_

**M. Sc. (Part - II) Examination**

April / May – 2003

**Environmental Science**

*(Environmental Toxicology & Hygiene)*

Time : 3 Hours]

[Total Marks : 75

Q.1 Describe how will you evaluate heat stress on the workers in an Industry.  
Describe Heat Stroke and Dehydration.

OR

Q.1 Describe effect of various physical hazards likes noise, illumination and radiation in an industry and their impact on the health of the workers.

Q.2 Describe the significance of the implementation of the concepts of industrial-hygiene for the welfare of the employees and increase in work capacity.

OR

Q.2 Describe on basic concepts and methodology adopted for safety of worker's health in an Industry involved in a chemical industry.

Q.3 What are various methods of toxicity testing for the xenobiotics likely to affect skin and the fetus? Describe various methods in detail.

OR

Q.3 Describe various methods of metabolism and excretion of the xenobiotics in the body.

Q.4 Classify particulate matter as per the effect of their effects on the respiratory system. Write in brief the effects of silica dust on the workers.

OR

Q.4 Describe various routes of entry and factors affecting action of xenobiotics giving suitable examples.

Q.5 Write short notes on any three of the following: -

- a. Asbestoses
- b. Toxicology and Law
- c. Air Pollution
- d. Ergonomics
- e. Lead Toxicity