

M.SC Semester III

Core Course XII

Environmental Chemistry

**TOPIC:-Unit IV, ENVIRONMENTAL
TOXICOLOGY**

Department of Chemistry

L.S COLLEGE MUZAFFARPUR

B. R. A. BIHAR UNIVERSITY

Dr. Priyanka

ENVIROMENTAL TOXICOLOGY

- TOXICOLOGY: Its an study of harmful effects of drugs, chemicals & chemical mixture on the living organism.

It includes various branches such as:-

- a. Clinical toxicology.
- b. Forensic toxicology
- c. Environmental toxicology.

CONTI.....

- ENVIRONMENTAL TOXICOLOGY is multidisciplinary science involving many diverse areas:-
 - a. CHEMISTRY:- deals with characterisation of toxins.
 - b. PHARMACOLOGY:- deals with study of entry & distribution of toxins in the body.
 - c. BIOCHEMISTRY:- deals with interaction & metabolism of toxins.
 - d. BIOLOGY:- deals with effect of toxins on environment.

DETERMINATION OF TOXICITY

- CAN BE DONE THROUGH FOLLOWING BRANCHES:-
 - i. Descriptive toxicology.
 - ii. Mechanistic toxicology.
 - iii. Regulatory toxicology.
 - iv. Determination through:-
 - In- vivo testing
 - In-vitro testing