



**FEDERAL UNIVERSITY OF TECHNOLOGY,
MINNA
SCHOOL OF LIFE SCIENCES
DEPARTMENT OF MICROBIOLOGY**

FIRST SEMESTER EXAMINATION 2015/2016 SESSION

COURSE CODE: MCB 513

COURSE TITLE: GENERAL TOXICOLOGY (3 UNITS)

CLASS: 500 LEVEL

TIME: 2 HOURS

Instruction: Answer only 4 questions

1. What is radiation toxicology? Discuss the effects of radiation on two named biological systems.
2. Write short notes on the following as they affect air pollution:
 - (a) Natural pollutants
 - (b) Anthropogenic pollutants
 - (c) Carbonmonoxide and its mechanism of action
3.
 - (a) Discuss two common mechanisms and sites of action of heavy metal in biological system
 - (b) Write short notes on management of acute drug toxicity.
4. Discuss three (3) bacterial toxins and their significance in modern therapy.
5. Comment on the toxicological implications of the following:
 - (i) *Penicillium*
 - (ii) *Rhizotonia*
 - (iii) *Legumenocola*
 - (iv) *Aflatoxins*
 - (v) *Fusarium*

6. Discuss Exotoxins and Endotoxins, pointing out their effects on biological systems.