



FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
DEPARTMENT OF MICROBIOLOGY
FIRST SEMESTER EXAMINATION 2022/2023 SESSION

MCB 513 – General Toxicology (3 Credit Units)

Instruction: Answer **FIVE** questions and at least **ONE** question from each section **TIME: 2½**
Hours

SECTION A

1. Discuss extensively the major groups of mycotoxins.
2. a) Highlight the factors that determines the toxicity of drugs in an individual
b) Write short notes on any two classes of plant toxins.
3. a) How would you manage acute drug toxicity?
b) Highlight the factors that modulates the effects of toxicants in the human body.

SECTION B

4. (a) i. Define heavy metal poisoning
ii. Give four (4) examples of heavy metals associated with human poisoning.
(b) Mention three (3) animal toxins, their animal sources and mechanisms of action.
5. a) With a toxic example, discuss any two (2) primary classes of pesticides.
b) Write short notes on the followings:
i. Antidotes ii. Ion exchange iii. Chelating agent

SECTION C

6. a) What are food additives? Give five (5) examples of food additives.
b) Enumerate five (5) benefits of food additives
7. a) Define airborne poisoning.
b) Briefly discuss the sources of airborne poisoning.
c) Give two (2) examples each of gaseous and particulate air toxins.