



**UNIVERSITY EXAMINATIONS**  
**SECOND YEAR EXAMINATION FOR THE AWARD OF THE**  
**DEGREE OF BACHELOR OF SCIENCE IN FORENSIC BIOLOGY**  
**SECOND SEMESTER 2022/2023**  
**[JANUARY-APRIL, 2023]**

**BFBT 222: FORENSIC TOXICOLOGY**

**STREAM: Y2S2**

**TIME: 2 HOURS**

**DAY: MONDAY, 3:00 – 5:00 PM**

**DATE: 17/04/2023**

**INSTRUCTIONS**

- 1. Do not write anything on this question paper.***
- 2. Answer Question ONE and any TWO other Questions.***

**SECTION A 40 MARKS**

***Answer all questions (4 marks each)***

1. Outline the difference between tropospheric ozone and stratospheric ozone, their pros and cons. (4marks).
2. With suitable examples explain mechanisms of actions of toxicants on (4marks).
  - i) Enzyme inhibition/activations
  - ii) Subcellular organs
3. State any four chelating agents used in the management of metal poisoning. (4marks).
4. Explain gastric lavage in the management of toxicity. (4marks).
5. Give a brief description on carbon monoxide poisoning. (4marks).
6. Outline the classification of poisons/ toxicants. (4marks).

7. Ethanol can be used in the management of methanol poisoning critique. (4marks).
8. Highlight the activities that may lead to exposure of humans to toxicants. (4marks).
9. Briefly explain the importance of toxicology to the society. (4marks).
10. Explain the characteristics of environmental toxicants. (4marks).

**SECTION B 30 MARKS**

**ANSWER ANY TWO QUESTIONS (15 marks each)**

1. Discuss organochlorine and organophosphate poisoning. (15marks)
2. Discuss heavy metal poisoning and its management. (15marks)
3. Discuss the manifestations of toxicity at organ level. (15marks)