



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2024_2 EXAMINATION

COURSE CODE: EHS 411

COURSE TITLE: ENVIRONMENTAL TOXICOLOGY

COURSE UNITS: 3 CREDIT UNITS

TIME ALLOWED: 2 HOURS

TOTAL SCORE: 70 MARKS

INSTRUCTION: ANSWER ALL QUESTIONS

1. Highlight the functions of a chemical pathologist **8 marks**

- 2 a. Write short explanatory notes on the following
 - i. Descriptive toxicology
 - ii. Mechanistic toxicology
 - iii. Regulatory toxicology**15 marks**

- 2 b. What are the four main enzymatic processes that bring about the transformation of xenobiotics **5 marks**

- 3 a. Define the concept toxicant **6 marks**
b. Classify toxicants based on different criteria **4 marks**
c. Define the functions of an environmental toxicologist **4 marks**
d. Explain the processes that determine the Fate of a Poison in the Body **6 marks**

- 4 a. Explain the basic concept in toxicokinetics **5 marks**
b. Highlight some fields in chemical pathology **7 marks**
c. Differentiate between the following terms and concept:
 - i. Health and disease
 - ii. Prognosis and diagnosis
 - iii. Anatomical pathology and chemical pathology
 - v. clinical science and symptoms**10 marks**