



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2024 1 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. a. Define the concept pesticides **5 marks**
b. Classify pesticides with examples **4 marks**
c. Explain the basic toxicology of pesticides **6 marks**

2. a. Explain the concept heavy metal **6 marks**
b. Give a historical and public health importance of heavy metals **6 marks**
c. Give sources and examples of heavy metals **6 marks**
d. Explain the toxicity of the metals **6 marks**

3. a. Define the following terms:
i. Radiation, ii. Radioactivity iii. Radioactive Material **10 marks**
b. Identify the types of radiation **6 marks**
c. State the importance of radiation **5 marks**

4. Define the following concept used in chemical pathology:
i. Enzymes ii. Disease iii. Etiology iv. Predisposing causes of disease
v. Clinical signs **10 marks**