



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, National Azikiwe Expressway, Jabi-Abuja
FACULTY OF HEALTH SCIENCES
(Department of Environmental Health Science)
2021_1 EXAMINATIONS

Course Code: EHS 411

Course Title: ENVIRONMENTAL TOXICOLOGY

Course Unit: 2

Time Allowed: 1 ½ Hours

Total Score: 70 Marks

Instruction: Answer ALL the Questions

Question 1

- (a) State the general mechanisms of Toxicants action 4 marks
- (b) Write short notes on the following in relation to toxicants: 10 marks
- Absorption
 - Excretion
 - Liberation
 - Distribution
 - Metabolism
- (c) Discuss the process of drug transport across the cell membrane 12 marks

Question 2

- (a) Write short notes on each of the following terms: 10 marks
- Adjuvant
 - Antagonist
 - Carcinogens
 - LD₅₀
 - Xenobiotics:
- (b) Define spectrophotometer and state its uses in clinical laboratory 6 marks
- (c) Briefly discuss each of the following: 9 marks

- i. Environmental toxicology
- ii. Forensic toxicology
- iii. Ecotoxicology

Question 3

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| (a) Define Food additives | 3 marks |
| (b) List the classification and uses of food additives | 6 marks |
| (c) Write short notes on the following: | 10 marks |
| i. Clinical sign | |
| ii. Diagnosis | |
| iii. Pathology | |
| iv. Serum | |
| v. Prognosis | |