



NATIONAL OPEN UNIVERSITY OF NIGERIA PLOT 91, CADASTRAL
ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA
FACULTY OF HEALTH SCIENCES
(DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE)
2023_1 POP EXAMINATION

COURSE CODE: EHS 301
COURSE TITLE: BASIC INSTRUMENTATION AND USE
COURSE UNIT: 2
TIME ALLOWED: 1 ½ HOURS
TOTAL SCORE: 70 MARKS
INSTRUCTION: ANSWER ALL THE QUESTIONS

Question 1

- (a) Define Environmental health as proposed by World Health Organization 5 marks.
(b) List the five major discipline concern with environmental health sciences 5 marks
(c) Briefly explain the following:
- | | |
|-------------------------------|---------|
| i. Environmental epidemiology | 5 marks |
| ii. Environmental Toxicology | 5 marks |
| iii. Exposure science | 5 marks |

Question 2

Write short notes on the following types of hazards:

- | | |
|----------------------------|---------|
| (a) Physical hazard | 5 marks |
| (b) Chemical hazard | 5 marks |
| (c) Biological hazard | 5 marks |
| (d) Cultural hazard | 5 marks |
| (e) Hot Air Oven Operation | 5 marks |

Question 3

- (a) Define spectrophotometer and list the 2 types of spectrophotometer 6 marks
(b) List the series of events that happened in spectrophotometer analysis 4marks
(c) List six (6) uses of spectrophotometer 6 marks
(d) Define pH meter 4 marks