



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, CADASTRAL ZONE, NNAMDI AZIKWE EXPRESSWAY, JABI, ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2025_2 EXAMINATIONS.

COURSE CODE: EHS505

COURSE TITLE: ENVIRONMENTAL EPIDEMIOLOGY

COURSE UNITS: 2 CREDIT UNITS

TIME ALLOWED: 1 ½ HOURS

TOTAL SCORE: 70 MARKS

INSTRUCTION: ANSWER ALL QUESTIONS

- 1 (a) Define the following terms:
 - i. Analytic epidemiologic studies **2 marks**
 - ii. Cohort study **2 marks**
 - iii. Cross- sectional survey **2 marks**
 - iv. Measures of association **2 marks**
 - v. Sensitivity **2 marks**
- (b) List five (5) primary issues to exposure assessment for use in environmental epidemiology. **5 marks**
- (c) Write short note on the different measurement and estimation techniques used in exposure assessment. **10 marks**

- 2 (a) Differentiate between descriptive epidemiologic studies and analytic epidemiologic studies **10 marks**
- (b) What is trend analysis? **5 marks**
- (c) State five (5) principal reasons for carrying out between-group studies in trend analysis **5 marks**

- 3 (a) Define soil pollution **4 marks**
- (b) State with examples three (3) types of soil pollution **6 marks**
- (c) Write short notes on the following; **15 marks**
 - i. Inorganic toxic compounds
 - ii. Organic wastes
 - iii. Sewage and sewage sludge
 - iv. Organic pesticides