



**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.**

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**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