



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Plot 91, NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Plot 91, CADASTRAL ZONE, NNAMDI AZIKWE EXPRESSWAY, JABI, ABUJA**  
**FACULTY OF HEALTH SCIENCES**  
**DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE**  
**2024\_2 EXAMINATION**

**COURSE CODE: EHS505**

**COURSE TITLE: ENVIRONMENTAL EPIDEMIOLOGY**

**CREDIT UNIT: 2 CREDIT UNITS**

**TIME ALLOWED: 1 ½ HOURS**

**TOTAL SCORE: 70 MARKS**

**INSTRUCTION: ANSWER ALL QUESTIONS**

1. a. Briefly explain total exposure assessment in environmental epidemiology **10 marks**  
b. Elucidate on different types of biological markers in providing information on exposure **10 marks**  
c. Explain the uses of Geographic Information System (GIS) in environmental epidemiology **10 marks**
2. a. Succinctly explain the role of vital statistics in environmental epidemiology **10 marks**  
b. List and explain any 2 methods of soil pollution control **10 marks**
3. a. Discuss the role of application of technology to environmental exposure **10 marks**  
b. Explain how large data expected in the future affect environmental research design **10 marks**