



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Plot 91, Cadastral Zone, National Azikiwe Expressway, Jabi-Abuja**  
**FACULTY OF HEALTH SCIENCES**  
**(Department of Environmental Health Science)**  
**202\_2 EXAMINATIONS**

**Course Code: EHS 505**

**Course Title: ENVIRONMENTAL EPIDEMIOLOGY**

**Course Unit: 2**

**Time Allowed: 1 ½ Hours**

**Total Score: 70 Marks**

**Instruction: Answer ALL the Questions**

**Question 1**

- (a) What is Epidemiology? 5 marks
- (b) Write short notes on each of the following: 15 marks
  - i. Agent
  - ii. Sensitivity
  - iii. False positive
  - iv. Maternal mortality rate
  - v. Odds ratio
- (c) Discuss geographic information system 10 marks

**Question 2 Discuss each of the following:**

- (a) Time series analysis 10 marks
- (b) Trend analysis 10 marks
- (c) List 4 methods of Risk Assessment Process 4 marks

**Question 3**

- (a) in each case, enumerate four effects of soil pollution to agriculture and industries 8 marks
- (b) Define Cluster 5 marks
- (c) List 3 Three categories of clusters 3 marks