



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

**COURSE CODE: EHS 313**

**COURSE TITLE: ENVIRONMENTAL HEALTH INFORMATION SYSTEM**

**COURSE UNITS: 2 CREDIT UNITS**

**TIME ALLOWED: 1 ½ HOURS**

**TOTAL SCORE: 70 MARKS**

**INSTRUCTION: ANSWER ALL THE QUESTIONS**

- 1a. Define Health according to World Health Organization. **(2Marks)**
- 1b. Outline five (5) Management information system that are very central to the achievement of Health programmes. **(5Marks)**
- 1c. What is Health Information System? **(2Marks)**
- 1d. Define the term Data. **(2Marks)**
- 1e. Geographic Information System (GIS) can be used in the determination of water quality. Enumerate nine (9) ways. **(9Marks)**
  
- 2a. State the relationship between data and health information system. **(3Marks)**
- 2b. State examples of Infrastructure and Surveillance. **(6Marks)**
- 2c. Define the term system. **(2Marks)**
- 2d. With the aid of a sketch, give an example of a system in vaccine delivery. **(7Marks)**
- 2e. Outline the major characteristics of good data. **(7Marks)**
  
- 3a. Define Open System in an Organization? **(3Marks)**
- 3b. Enumerate six (6) main sources of Health data. **(6Marks)**
- 3c. Write short notes on the methods of Data collection. **(3Marks)**
- 3d. Enumerate four (4) minimum categories of indicators for comprehensive monitoring and evaluation of health care. **(4Marks)**
- 3e. Discuss two uses of intranet? **(4Marks)**
- 3f. What is image processing. **(5Marks)**