



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**PLOT 91 CADASTRAL ZONE, NNAMDI AZIKWE EXPRESSWAY, JABI, ABUJA**  
**FACULTY OF SCIENCES**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**2021\_1 EXAMINATION ...**

**COURSE CODE: DAM 463**

**COURSE TITLE: Health Data Management**

**COURSE CREDIT: 2 UNITS**

**TIME ALLOWED: 2 HOURS**

**INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER THREE (3) QUESTIONS**

**QUESTIONS (SET TWO)**

**Question**

- 1a (i) Differentiate between primary data and secondary data as used in healthcare (4 marks)  
(ii) When do health care service providers need health information? (3 marks)  
(iii) What is the primary purpose of civil registration in health information data sources? (2 marks)
- 1b (i) Outline the stages involved in Health Data Management Life Cycle (4 marks)  
1b (ii) What are the problems associated with using Patient-held health record in health care system (3 marks)  
(iii) Outline the benefits of Population surveys in health services? (3 marks)
- 1c (i) Briefly describe Health information system infrastructure in health care system (2 marks)  
1c (ii) State the two ways by which health system data are usually generated (2 marks)  
(iii) What is the function of a health information system? (2 marks)
- 2a What is the starting points for health care information? (4 marks)  
2b List the components of healthcare facilities (5 marks)  
2c State six health and safety issues associated with healthcare facilities (6 marks)
- 3a Healthcare facilities employ a wide variety of trades that have health and safety hazards associated with them. State the components of health facilities (6 marks)  
3b Briefly describe health care delivery system (5 marks)  
3c State the composition of healthcare agencies in health care delivery system (4 marks)
- 4a State the components in each of the following categories of health data: (12 marks)  
(i) Textual description (ii) Numerical measurements  
(iii) Recorded signals (iv) Images  
4b What is the significance of Internationally endorsed systems of representations? (3 marks)
- 5a List the components of Numerical measurements as used in health data (3 marks)  
5b Write short notes on the following commonly used health data codes in USA (12 marks)  
(i) International Classification of Diseases (ICD) codes  
(ii) Current Procedural Terminology (CPT) codes,  
(iii) The Systematized Nomenclature of Medicine (SNOMED)  
(iv) Digital Imaging and Communications (DICOM),