



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91 CADASTRAL ZONE, NNAMDI AZIKWE EXPRESSWAY, JABI, ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
OCTOBER, 2019 EXAMINATIONS

COURSE CODE: DAM463

COURSE TITLE: HEALTH DATA MANAGEMENT

CREDIT: 2 UNITS

TIME ALLOWED: 2 HOURS

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

1. (a.) Generally, in health data management, administrative data can be divided into sections. Briefly discuss these sections **(10marks)**
 - (b.) Outline five (5) forms of information a patient's medical record provides **(5 marks)**
 - (c.) Explain what you understand by "Health Data Representation and Coding" **(6 marks)**
 - (d.) Write down the standards to be adopted for effective data organisation and storage **(4 marks)****[25 marks]**

2. (a.) Illustrate, by means of a well labeled diagram, how data is transformed in Information using Framework and Standards for Country Health Information Systems **(8 marks)**
 - (b.) Give a short description of the following terms:
 - i. Health care
 - ii. Health care delivery system) 1 mark each; 1 x 3 = **3 marks**
 - iii. Data processing:
 - (c.) Enumerate four (4) ways the whole process of data extraction and transformation adds significant value to the source data **(4 marks)****[15 marks]**

3. (a.) Explain the following terms within the context of health data management:
- i) Task-based health care systems **(3 marks)**
 - ii) Subject-based health care system **(3 marks)**
- (b) Give **five (5)** key benefits of the electronic medical record. **(5 marks)**
- (c) Name and briefly describe four (4) main features of the Laboratory information system. **(4 marks)**
4. a. Health Data Management Lifecycle is in phases. Mention and discuss these phases **(10 marks)**
- b. State any five (5) clinical data segments required for an in-patient **(5 marks)**
5. (a.) Mention and expound on the three (3) major domains of health information **(9 marks)**
- (b.) An essential source of data for health decision-making is health research. List the broad spectrum covered by health research. **(6 marks)**