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**National Open University of Nigeria**

**Plot 91, Cadastral Zone, Nmandi Azikiwe Express Way, Jabi, Abuja**

**Faculty of Sciences**

**July 2018 Examinations**

**Course Code: DAM463**

**Course Title: Health Data Management**

**Time Allowed: 21/2hours**

**Credit Unit: 2**

**Instruction: Answer QUESTION 1 and three (3) others**

1. (a) What do you understand by the following terms:

 i) Data

 ii) Information **(4 marks)**

 (b) Explicitly discuss Health Data and Health Information. **(8 marks)**

 (c) Explain briefly what you understand by the term Master Patient Index (MPI).

 **(2 marks)**

 (d) Indexing and record search can be a bit tasking, list any **six (6)** of the

recommended core data elements for patient indexing and record search. **(6 marks)**

(e) Give the full meaning of the acronyms of the health care agencies/international agencies listed below:

 i) NAFDAC

 ii) NIMR

 iii) CDC

 iv NHIS

 v) WHO **(5 marks)**

2. (a) Enumerate how the whole process of data extraction and

 transformation add significant value to the source of data. **(4 marks)**

 (b) Write short notes on the following:

 i) Health Care

 ii) Health Care Settings

 iii) Health Care Facilities **(6 marks)**

(c) List **five (5)**, giving the full meanings of the acronyms (where used) of the commonly used health data codes in USA. **(5 marks)**

3. (a) What are the components of the Health Data Management Life Cycle? Using a diagram show the Health Data Management Life Cycle. **(4 marks)**

 (b) Explain briefly the following terms:

 i) Health Data Processing

 ii) Health Data Storage

 iii) Health Data Retrieval

iv) Archiving **(8 marks)**

(c) List the standards which must be followed for effective data organisation and storage. **(3 marks)**

4. (a) Explain what constitutes the inputs into health care systems. **(4 marks)**

 (b) Describe briefly what constitutes the process of the health information

 system. **(3 marks)**

 (c) Health information data sources are usually generated from population

based sources or institution-based sources. Briefly describe the two (2) sources. **(4 marks)**

(d) Use a diagram to illustrate the data sources from the population-based and institution-based sources. **(4 marks)**

5. (a) Describe the following terms:

 i) Task-based health care systems **(3 marks)**

 ii) Subject-based health care system **(3 marks)**

 (b) List **five (5)** of the main benefits of the electronic medical record. **(5 marks)**

 (c) List the features of the Laboratory information system. **(4 marks)**