



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**University Village, 91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja**  
**FACULTY OF SCIENCE**  
**2020\_2 EXAMINATIONS**

**COURSE CODE: CIT801**

**COURSE TITLE: Foundation of Information and Communication Technology**

**CREDIT: 3 Units**

**TIME ALLOWED: 2½ Hours**

**INSTRUCTION: Answer Question 1 and any other FOUR (4) Questions**

- 1a) Write out any six (6) data collection techniques **(3 marks)**  
b) Write down the unique stages information revolution has experienced? **(3 marks)**  
c) Mention the characteristics of the information age **(5 marks)**  
d) What are the characteristics of storage **(3 marks)**  
e) Enumerate any four (4) characteristics of Management Information System (MIS) **(4 marks)**  
f) Using appropriate examples, describe Non-impact printing. **(4 marks)**
- 2a) Justify the rationale for the use of web utilities **(3 marks)**  
b) What is Data Flow Diagram (DFD)? **(1 mark)**
- c) Using appropriate symbols in DFDs, provide the diagrams of DFD stating the symbol name, the symbol drawing and the meaning/ uses of the symbol. **(8 marks)**
- 3a) Critically analyze the uses of Gantt Chart **(6 marks)**  
b) Differentiate between meta-search engines and specialized search engines **(3½ marks)**  
c) What are the base inputs in a project **(2½ marks)**

4) In a chronological order, enumerate the stages of Systems Development Life Cycle (SDLC) (3 marks)

b) Provide a detailed explanation of any of the three phases of the SDLC (9 marks)

5a) What are Add-in-boards? (2 marks)

b) Write down the functions of any ten Add-in-boards for microcomputers. (10 marks)

6a) What does the term *Information and Communication Technology* (ICT) mean? (2 marks)

b) Write down any three main components of ICT. (4 marks)

c) Enumerate the measures that can be taken to ensure ICT services reliability (6 marks)