



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)