



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**University Village, 91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja**  
**FACULTY OF SCIENCES**  
**COMPUTER SCIENCE DEPARTMENT**  
**2021\_2 EXAMINATIONS**

**CIT 701** – Foundation of Information and Communication Technology

**Credit:** 3 units

**TIME ALLOWED:** 2½ Hours

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

- 1a) What is a Value Chain? List three (3) Support Value-Chain activities (4mks)
- 1b) Outline three (3) classifications of Information (3mks)
- 1c) Identify the greatest challenge for e-commerce development? (2mks)
- 1d) State and explain two (2) categories of IT applications? (4mks)
- 1e) What does the following means in memory? (5mks)
- i) Byte
  - ii) Kilobyte/K-byte/KB/K.
  - iii) Megabyte/M-byte/MB/Meg
  - iv) Gigabyte/G-byte/GB/Gig
  - v) Terabyte/T-byte/TB
- 1f) Enumerate the opportunities on Information Technology. (4mks)
- 2a) Mention and explain the categories of operating systems. (6mks)
- 2b) Describe four (4) types of procedures? (6mks)
- 3a) Differentiate between the following:-
- i) Microcode (1½ mks)
  - ii) Pipelining (1½ mks)
  - iii) Parallel processing (1½ mks)
  - iv) Accelerator boards (1½ mks)
- 3b) Explain six (6) different forms of Optical Character Recognition (OCR)
- 4a) Identify and explain four (4) objectives of Database Management Systems. (8mks)
- 4b) Relate four (4) criteria used to classifying DBMS? (4mks)
- 5a) What is a procedure? Identify and explain four (4) types of procedures in database. (8mks)
- 5b) Give a precise definition the following database terminologies. (4mks)
- i) Shared Database
  - ii) Distributed Database
  - iii) Partitioning:
  - iv) Replication
- 6a) Explain three basic elements of an e-mail message? (6 mks)
- 6b) Describe any three (3) types transport technologies. (6mks)