

NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, 91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF SCIENCE
DEPARTMENT OF COMPUTER SCIENCE

CIT 701 – Foundation of Information and Communication Technology

Instruction: Answer Question (1) (22 marks) and any other four questions each carrying 12 marks

Credit Units: 3

Time: 2½ hours

- 1a) State the distinct stages of information revolution. (3½ marks)
 - b) List the various classes of the information age evolution. In a tabular form, enumerate the characteristics of the various classes of the information age evolution based on Time Period, Majority of worker, Partnership and Principal Tools. (4½ marks)
 - c) State the various characteristics of the information age.
 - d) Briefly define the following terms: (1 mark each. Total = 5 marks)
 - i) Work Processes
 - ii) Productivity
 - iii) Effectiveness
 - iv) Reengineering
 - v) Business Processes
 - e) List the types of registers we have in a computer hardware.
 - f) State the benefits of information technology.
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- 2a) List the various functions of information technology (5 marks)
 - b) Briefly describe any five of the functions listed in (a) above (5 marks)
 - c) Briefly state and define the types of bus. (2 marks)
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- 3a) What is system software? (3 marks)
 - b) Briefly describe the types of system programs. (6½ marks)
 - c) What is Storage Area Network (SAN)?
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- 4a) With the aid of illustrative diagram, describe the machine processing sequence (7½ marks)
 - b) Enumerate the various groups of functions of the operating systems (4½ marks)
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- 5a) What do you understand by Add-in-boards? (2 marks)
 - b) Briefly describe the function of any ten Add-in-boards for microcomputers. (10 marks)
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- 6a) Write short notes on Information Technology (IT) procedures. (8½ marks)
 - b) Distinguish between Proprietary operating systems and Non-proprietary operating systems. (2 marks)
 - c) List the common features of most application programs (1½ marks)
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- 7a) There are two broad categories of people in the Information Technology (IT) world. Name them and briefly describe the various sub-classes of each. (10 marks)
 - b) Define Information Technology professional. (2 marks)