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.

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*)**

3a) What is system software? *(3 marks)*
b) Briefly describe the types of system programs. *(6½ marks)*
c) What is Storage Area Network (SAN)?

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)*

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)*

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)*

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)*