BINT 0111:   FUNDAMENTALS OF INFORMATION TECHNOLOGY

INSTRUCTIONS
1. *Do not write anything on this question paper.*
2. *Answer Question ONE and any other THREE Questions.*

QUESTION 1

a. What is a computer?   [2 marks]
b. Distinguish between Micro and Mini Computer.   [3 marks]
c. Differentiate between data and information?   [2 marks]
d. State three types of Networks?   [3 marks]
e. Define the term input device and list three examples?   [4 marks]
f. Describe the term teleconferencing   [3 marks]
g. What is a mouse? State its function in computer system?   [3 marks]
h. State at least four requirements needed to set up a computer? [5 marks]

QUESTION 2
a. Define the term Computer Network?   [2 marks]
b. Describe three benefits for networking computer-related devices?
                                                                   [5 marks]
c. What are the key differences between a LAN and a WAN.   [5 marks]
d. Differentiate between of online and batch processing?   [3marks]

QUESTION 3
a) Distinguish between cold booting and warm booting?   [4 marks]
b) Write the following acronym in full CPU?   [2 marks]
c) Draw a block diagram of the CPU and its functional units?   [7 marks]
d) What is the function of heat sink in a computer system?   [2 marks]

QUESTION 4
a. Differentiate between online and real time processing.   [3 marks]
b. Describe the term Client-Server system.   [3 marks]
c. Differentiate between data processing and information processing?4marks
d. State 3 characteristics of RAM?   [5 marks]

QUESTION 5
a. List and describe three internal components of a computer?   [6 marks]
b. What is the function of a computer casing?   [3 marks]
c. Differentiate between flat panel display and CRT monitors   [6 marks]

QUESTION 6
a. State three safety rules observed in a Computer lab.   [4 marks]
b. What is an electrostatic discharge? How can this be prevented? [3 marks]
c. What is a port? List three types of ports   [4 marks]
d. What's the function of a fan in a computer?   [2 marks]
e. What is the function of a taskbar?   [1 mark]