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MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN

UNIVERSITY MAIN EXAMINATIONS

2022/2023 ACADEMIC YEAR

SECOND YEAR SEMESTER ONE EXAMINATION

FOR DIPLOMA

IN

BUSINESS MANAGEMENT

COURSE CODE: DBA 202

**COURSE TITLE: INTRODUCTION TO INFORMATION COMMUNICATION AND
TECHNOLOGY**

DATE: TUESDAY, 20TH /12/2022

TIME: 2:00 – 4:00PM

INSTRUCTIONS TO CANDIDATES

Answer QUESTION ONE and any OTHER TWO questions.
Do Not write anything on this paper.

TIME: 2 Ho This paper consist of 3 printed pages. Please turn over. ▶

MMUST observes ZERO tolerance to examination cheating

Questions 1

- a) Technology is the basis of computer classification. Based on this, explain briefly the differences between the first three computer generations **(5 Marks)**
- b) Write the following in full as used in information and communication technology.
- i. CCTV
 - ii. USB
 - iii. CPU
 - iv. VDU
 - v. DVDs
 - vi. **UPS** **(6marks)**
- c) Give examples of special purpose computers **(3 marks)**
- d) Explain similarities and differences between human being and computer systems **(4 marks)**
- e) Give four safety precautions you should take when handling diskettes **(4 marks)**
- f) Explain briefly the following
- i. Computer Network
 - ii. Network Topology
 - iii. Network Protocol
 - iv. Network node
 - v. peer to peer network
 - vi. client server network **(8 marks)**

Question 2

- a) Identify three devices that could be used in supermarket to input data at the point of sale **(3marks)**
- b) Explain methods of authentication in ICT **(4marks)**
- c) The computer is a great tool to store important information. In certain cases, the information is very vital that losing it will harm the computer system? briefly discuss some of the malicious threats to computers data **(5marks)**

- d) Security measures mean the precautionary measures taken toward possible danger or damage. Discuss any of the security measures taken toward possible danger or damage of the computer (5marks)

Question 3

- a) What do you understand by system booting? Hence identify and explain briefly 2 types of system booting (5marks)
- b) Briefly Discuss data processing techniques. (8 marks)
- c) With aid of diagram Identify and explain any 3-network topology you know (7 marks)

Question 4

- a) What is the meaning of the acronym GIGO and what does it imply in computer jargon (4 marks)
- b) Juxtapose the statement —The people who eventually introduced the PC were rebels (6marks)
- c) What are the functions of mouse in a graphical users interface (4marks)
- d) There are 3 major programming languages identify them and give 2 advantages on of each of them.

(6 marks)

Question 5

- a) Discuss Impact Of information communication and technology (ICT) in the modern Society (10 marks)
- b) Identify some ethics expected of IT professionals (6 marks)
- c) Define computer processor and list some examples of processors (4marks)