



MACHAKOS UNIVERSITY

University Examinations 2021/2022

SCHOOL OF ENGINEERING TECHNOLOGY

DEPARTMENT OF INFORMATION COMMUNICATION TECHNOLOGY

FIRST YEAR FIRST TERM EXAMINATION FOR

DIPLOMA IN CATERING AND ACCOMONDATION

DIPLOMA IN FASHION DESIGN

DIPLOMA IN FOOD AND BEVERAGE

INFORMATION COMMUNICATION TECHNOLOGY

DATE:

TIME:

INSTRUCTIONS TO THE CANDIDATES:

1. You should have the following for this examination:-
 - Answer booklet
2. Attempt all the questions.
3. All the questions carry twenty marks

This paper consists of three printed pages

Candidates should check the question paper to ensure that all the pages are printed as indicated and that no questions are missing

QUESTION ONE

- a) Outline four security threats to information systems. (4 marks)
- b) Outline four symptoms of a computer that is likely to have been infected with computer viruses. (4 marks)
- c) State two major components of the CPU. (2 marks)

- d) Draw a block diagram of a digital computer system. (5 marks)

QUESTION TWO

- a) With the aid of a diagram, explain the procedures and steps for data processing cycle as used in computing. (5 marks)
- b) Define the term computer software as used in ICT. (2 marks)
- c) Explain the following types of data in spreadsheets.
- i. Labels (2 marks)
 - ii. Value (2 marks)
 - iii. Functions (2 marks)
 - iv. Formulae (2 marks)

QUESTION THREE

- a) Assuming a windows operating system, outline the procedure for creating a folder named “Your name” on the desktop. (5 marks)
- b) Differentiate between Cut and Copy as used in word processing. (4 marks)
- c) State the function of each of the following keyboard keys.
- i. Enter (2 marks)
 - ii. Delete (2 marks)
 - iii. Backspace (2 marks)

QUESTION FOUR

- a) Discuss one procedure for creating tables in word processing. (4 marks)
- b) List four computer storage devices. (4 marks)
- c) Mwanzo Mpya millers have noted with concern that their data and other computer resources are under constant threat from malicious users. State two ways that the organization can put in place to ensure security of data and other resources from attacks. (2 marks)
- d) State five functions of computer operating system. (5 marks)

QUESTION FIVE

- a) With the aid of well labelled diagrams, discuss three types of network topologies as used in computer networks. (6 marks)

- b) State three advantages of using a computerized database over the traditional filing method. (3 marks)
- c) Define the following terms as used in computing.
- i. E-commerce (2 marks)
 - ii. Digital marketing (2 marks)
 - iii. Biometrics (2 marks)