



MACHAKOS UNIVERSITY

University Examinations 2021/2022

SCHOOL OF ENGINEERING TECHNOLOGY

DEPARTMENT OF INFORMATION COMMUNICATION TECHNOLOGY

FIRST YEAR FIRST TERM EXAMINATION FOR

DIPLOMA IN SUPPLY AND CHAIN MANAGEMENT

DIPLOMA IN SALES AND MARKETING

DIPLOMA IN HUMAN RESOURCE MANAGEMENT

DIPLOMA IN INFORMATION SCIENCE

INTRODUCTION TO INFORMATION AND 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) Define the following terms as used in ICT. (6 marks)
- b) Information Communication Technology

- i. Internet
- ii. History
- c) State two types of data as used in computing. (2 marks)
- d) Matheas was instructed by his employer to source for reliable scanners for their new firm in Mombasa. Outline four factors that he should consider when purchasing the equipment. (4 marks)
- e) With the aid of a well labelled diagram, elaborate the classifications of computer software as used in computing. (6 marks)
- f) Explain the function of a Thesaurus tool as used in word processing. (2 marks)

QUESTION TWO

- a) Outline four functions of operating system as used in computing. (4 marks)
- b) Define the following terms as used in ICT.
 - i. Hardware (2 marks)
 - ii. Database (2 marks)
 - iii. Spreadsheets (2 marks)
 - iv. Hyperlinks (2 marks)
- c) Discuss three components of the CPU. (6 marks)
- d) Define the term application package as used in computer software. (2 marks)

QUESTION THREE

- a) With the aid of well labelled diagrams, elaborate three types of network topologies. (6 marks)
- b) Discuss three characteristics of computers. (6 marks)
- c) Assuming a windows operating system, outline the procedure for creating a folder labeled “Your Name” on the desktop. (4 marks)
- d) Explain the following terms as used in the internet.
 - i. Cloud computing. (2 marks)
 - ii. E-Commerce (2 marks)

QUESTION FOUR

- a) With aid of examples in each case, explain the following terms as used ICT.
 - i. Search engine (3 marks)

- ii. Browser (3 marks)
- b) Outline the procedure for creating tables in Ms Word program. (4 marks)
- c) Mambo Leo consultants are on a mission to connect all their offices with networks. Discuss three benefits they are likely to experience after the completion of the project. (6 marks)
- d) Explain two types of data processing modes as used in ICT. (4 marks)

QUESTION FIVE

- a) With the aid of a diagram, draw a block diagram of digital computer system. (6 marks)
- b) State two types of booting as used in computing. (2 marks)
- c) Explain the following types of computer networks as used in computing.
 - i. Local Area Network (2 marks)
 - ii. Metropolitan Area Network (2 marks)
 - iii. Wide Area Network (2 marks)
- d) Explain the following storage memory units of computer system.
 - i. Nibble (2 marks)
 - ii. Byte (2 marks)
 - iii. Bit (2 marks)