



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FIRST YEAR FIRST TERM EXAMINATION FOR

DIPLOMA IN FASHION AND DESIGN

DIPLOMA IN CATERING AND ACCOMMODATION MANAGEMENT

INTRODUCTION TO ICT

DATE: 11/6/2021

TIME: 8.30-11.30 AM

INSTRUCTIONS

1. You should have the following for this examination:-

- Answer booklet

2. Answer **ANY FIVE** 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. (4 marks)
 - i. Computer
 - ii. Database
- b) Outline *four* uses of computers in the education sector. (4 marks)
- c) List four components that can be classified as input devices. (4 marks)
- d) Differentiate between *window* and *windows* as used in computer applications. (4 marks)
- e) Discuss any two classifications of computers. (4 marks)

QUESTION TWO

- a) Outline four types of computer networks. (4 marks)
- b) Hapa Kwetu enterprises, is on a mission to install internet connection on their offices. Explain any *four* benefits the organization is likely to experience after the completion of the project. (8 marks)
- c) Outline *two* types of computer network topologies. (2 marks)
- d) Explain *three* disadvantages associated with the use of computers in the society today (6 marks)

QUESTION THREE

- a) Differentiate between *special purpose* and *general purpose* computers indicating any place where each can be used. (4 marks)
- b) State *two* types and differences of computer memory (2 marks)
- c) Outline three possible causes of computer viruses. (3 marks)
- d) State any three roles of ICT in business organizations. (3 marks)
- e) Define the following terms as used in computers. (8 marks)
 - i. Software
 - ii. Hardware
 - iii. Internet
 - iv. Computer security

QUESTION FOUR

- a) Outline three components of the CPU. (3 marks)
- b) With the aid of a well labeled hierarchical chart, describe the categories of computer software. (6 marks)
- c) Kamkatet would wish to purchase a printer for her office use. Outline six factors that she should consider. (6 marks)
- d) Outline any five parts of a computer keyboard. (5 marks)

QUESTION FIVE

- a) Differentiate between absolute and relative cell references. (4 marks)
- b) Explain four functions of operating systems. (8 marks)
- c) Differentiate between RAM and ROM. (4 marks)
- d) Outline four mouse techniques as used in computers. (4 marks)

QUESTION SIX

- a) Explain the role played by the following components within a computer system
- i. Output devices (2 marks)
 - ii. Input devices (2 marks)
- b) Explain the following terms as used in ICT. (8 marks)
- i. Ergonomics
 - ii. Biometrics
 - iii. Data processing
 - iv. Internet
- c) Outline the functions of the following keys as used in word processing
- i. Delete key (2 marks)
 - ii. Backspace (2 marks)
 - iii. Caps lock (2 marks)
 - iv. Spacebar (2 marks)