



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FIRST YEAR SECOND TERM EXAMINATION FOR

DIPLOMA IN MECHANICAL ENGINEERING (PLANT OPTION)

INTRODUCTION TO INFORMATION AND COMMUNICATION TECHNOLOGY

DATE: 11/6/2021

TIME: 8.30-11.30 AM

INSTRUCTIONS

Attempt question ALL the questions

Remember that you MUST write your admission number on the examinations booklet.

SECTION A

QUESTION ONE

- a) Explain two uses of computers in the world today. (4 marks)
- b) Differentiate between warm and cold booting procedures as used in computing. (4 marks)
- c) Outline the difference between functions and formulas as used in spreadsheets. (4 marks)
- d) Discuss four symptoms of computer that has been infected with computer viruses. (8 marks)

QUESTION TWO

- a) Explain the following terms as used in computers.
 - i. Icons (2 marks)
 - ii. Interface (2 marks)
 - iii. Menu (2 marks)
 - iv. User friendly (2 marks)
- b) Express Communications Co. Ltd wants to purchase new printers for their new branch in Machakos city, discuss four factors she should consider when purchasing them. (8 marks)
- c) Outline four uses of computer networks. (4 marks)

QUESTION THREE

- a) Explain the term computer as used in I.C.T (2 marks)
- b) Jacaranda consultants are on a mission to purchase new software programs for their use in their company. Other than cost, explain three factors they should consider when purchasing the programs. (6 marks)
- c) Differentiate between optical and magnetic storage media as used in computing. (4 marks)
- d) The I.C.T Technicians working in the computer lab have noted with concern that the spread of computer virus within the campus is alarming. Discuss any three possible symptoms of computer virus within the institutions computers. (6 marks)
- e) Outline two challenges associated with the use of computers. (2 marks)

QUESTION FOUR

- a) Maisha mapya are in a process of installing internet connection in their new offices. Outline any four benefits they will get after completion of the project. (4 marks)
- b) Outline the procedure of merging cells in ms word table. (2 marks)
- c) Explain two types of charts as used in Ms Excel. (4 marks)
- d) Outline three roles played by I.C.T as a tool for eradicating poverty in Kenya. (6 marks)
- e) Outline two of alignments as used in word processing. (4 marks)

QUESTION FIVE

- a) Outline the difference between hardware and software as used in I.C.T (4 marks)
- b) It has come to the attention of the University administration that there has been a lot of loss of computers and data in the computer laboratories. Explain any four ways they can use to control the loss of computer hardware and data in the institution. (8 marks)
- c) List four types of input devices as used in computers. (2 marks)
- d) With the aid of a sketch diagram, outline two types of page orientation that can be applied in a word processing document. (2 marks)
- e) Elaborate on two challenges that have resulted as a result of social media emerging trends in the world today. (4 marks)