



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FIRST YEAR SECOND SEMESTER EXAMINATION FOR

DIPLOMA IN PROCUREMENT AND SUPPLY CHAIN MANAGEMENT

INTRODUCTION TO ICT

DATE: 7/5/2019

TIME: 11:00 – 1:00 PM

INSTRUCTIONS

Answer Question One (30 marks) Compulsory and other two questions from this question paper

Section A:

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Define the following terms as used in computing.
- | | |
|----------------------------|-----------|
| i) <i>Operating system</i> | (2 marks) |
| ii) <i>Database</i> | (2 marks) |
| iii) <i>GIGO</i> | (2 marks) |
| iv) <i>Internet</i> | (2 marks) |
- b) Explain two components of the CPU. (4 marks)
- c) Mwakere, cyber security consultant with mambo leo enterprises has realized that the spread of computer virus has become rampant in their organization. Outline *five* that they can use to control the spread of the viruses. (5 marks)
- d) Outline three impacts of social media in the society. (3 marks)
- e) Explain *four* types of system utilities that can be installed in a microcomputer. Give examples where necessary. (10 marks)

Section B

QUESTION TWO (20 MARKS)

- a) With the aid of a well labelled diagram, draw a block diagram of digital computer system. (8 marks)
- b) Outline *one* procedure for inserting a new slide in Ms PowerPoint. (2 marks)
- c) Explain the following terms as used in Presentation application packages.
- i. *Place holder* (2 marks)
 - ii. *Slide show view* (2 marks)
- d) Describe *three* factors that one can consider when selecting an Internet Service Provider. (6 marks)

QUESTION THREE (20 MARKS)

- a) Outline *one* procedure of inserting charts in Ms Excel. (4 marks)
- b) Mali Yao Officer with Express Communications Co. Ltd wants to purchase printers for their new branch in Makindu. Outline *four* factors he should consider when purchasing these equipment. (4 marks)
- c) Explain the following terms as used in Computer Applications.
- i. Data processing (2 marks)
 - ii. Bandwidth (2 marks)
 - iii. Functions (2 marks)
 - iv. File (2 marks)
 - v. Line spacing (2 marks)
- d) Explain *mail merging* feature in computer applications. (2 marks)

QUESTION FOUR (20 MARKS)

- a) Makinika Company Ltd is on a mission to acquire new scanners for their use in their company. Explain *three* factors that they should consider when procuring these devices. (6 marks)
- b) Shauri Yako investment group have embarked on mission to procure new software for their respective branches all over Kenya. Explain *four* factors they should consider when procuring the programs. (8 marks)

c) The following table is an extract from Ms Excel program. Use it to answer questions that follow.

	A	B	C	D	E	G	I
1	<i>Name</i>	<i>January</i>	<i>Feb</i>	<i>March</i>	<i>April</i>	<i>Totals Contributions</i>	<i>Remarks</i>
2	Trump	200	150	200	400		
3	Mandela	185	160	400	400		
4	Mubarak	280	110	200	520		
5	Donald	600	200	200	100		

Using cell references and functions where possible, write a function that can be used to compute

- i) The total contributions for Barack. (2 marks)
 - ii) The mean score for Barack. (2 marks)
- d) The table below shows the criteria for declaring members of who have paid a membership fee of Kshs 1000/=. Using an appropriate function to indicate whether Trump has “Cleared or Not Cleared” his contribution. (2 marks)

Cleared	Not Cleared
1000	<1000

QUESTION FIVE (20 MARKS)

- a) Differentiate between *editing* and *formatting* as used in computer applications. (4 marks)
- b) With the aid of diagrams, illustrate *four* types of charts as used in Microsoft Excel. (8 marks)
- c) Explain each of the following types used in ICT.
 - i) website (2 marks)
 - ii) www (2 marks)
 - iii) Homepage (2 marks)
 - iv) Digital marketing (2 marks)