

Name: _____ Index No: _____

1920/102A
COMPUTER APPLICATIONS I
Theory
November 2012
Time: 1 hour

Signature: _____

Date: _____



THE KENYA NATIONAL EXAMINATIONS COUNCIL
CRAFT CERTIFICATE IN INFORMATION TECHNOLOGY

MODULE I

COMPUTER APPLICATIONS I

Theory

1 hour

INSTRUCTIONS TO CANDIDATES:

Write your name and index number in the spaces provided above.

Sign and write the date of examination in the spaces provided above.

Answer ALL the questions in the spaces provided on the question paper.

For Examiner's Use Only

Question	1	2	3	4	5	6	7	8	9	10	TOTAL
Marks											

This paper consists of 5 printed pages.

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

1. (a) List **two** examples of *operating systems* used in stand alone computers. (2 marks)

- (b) With the aid of an example, explain a function of a *web browser* as used in the Internet. (2 marks)

2. (a) Explain **one** function of a computer *operating system*. (2 marks)

- (b) The following are different formatting styles used in word processing programs.
Bold, hanging indent, italic, character spacing, justified.
Categorize each of them as either *text* or *paragraph* formatting. (2 marks)

3. (a) Differentiate between *soft return* and *hard return* as used in a word processing program. (2 marks)

- (b) Outline **two** types of *interfaces* used in operating system. (2 marks)

4. Explain each of the following terms as used in databases:

(a) referential integrity; (2 marks)

(b) entity integrity. (2 marks)

5. (a) Paul, an IT student would like to use a *web search engine* to locate programming notes. State **two** examples of this software that he would use to achieve his objective. (2 marks)

(b) Government officials from three different countries have been advised to use *teleconferencing* Internet services. Outline **four** equipment which would be required to offer this service. (2 marks)

6. (a) Ann would like to give a public lecture to ICT students at Mavuno TTI using an overhead projector. Describe the most appropriate application software that she would use to prepare her lecture notes. (2 marks)

he (b) Peter, a computer student intends to apply *visual effects* on text and graphics created using an application program. Describe a feature he would use to achieve his objective. (2 marks)

7. The principal's secretary at a college intends to use mail merge facility to invite all members of the board of governors for a meeting. Describe **two** documents she should create to achieve her objective. (4 marks)

8. (a) Faith, a computer professional would like to connect her home computer to the internet. State **two** components other than a computer that she requires in order to achieve her objective. (2 marks)

- (b) Use the following tables to answer the question that follows.

Item table

Item code	Item description
Cc1	Computers
Ss2	DVD RW
Ss3	CD R
Ss4	Flash memory

Cost table

Item code	Supplier code	Cost
Cc1	S1	45000
Ss2	S2	15000
Ss3	S3	1600
Ss4	S4	4000

Supplier table

Supplier code	Company	Item code
S1	Company 1	Cc1
S2	Company 2	Cc1
S3	Company 3	Ss3
S4	Company 4	Ss4

State the *relationships* between the following tables:

- (i) Item table and cost table; (1 mark)

- (ii) Item table and supplier table. (1 mark)

9. Table 1 is an extract from a spreadsheet program showing details of products in a retail shop. Use it to answer the questions that follow.

	A	B	C	D	E	F
1	S/no.	Item Name	Buying cost per unit	Quantity	Selling price per unit	Profit
2	100	Cooking oil	100	290		
3	200	Soap	65	300		
4	300	Cleaning detergent	135	115		
5	400	Flour	125	1013		
6	500	Tooth paste	140	190		

Table 1

- (a) Given that the selling price per item is 15% more than the buying cost per unit. Write a formula using cell addresses to compute the selling price per unit for cooking oil. (2 marks)

- (b) Using cell references only, write a formula to compute the profit for cooking oil. (2 marks)

10. Table 2 shows a list of farm produce in a country. Use it to answer the question that follows.

S/no.	Items	Weight in KGS
1	Coconut	135,000
2	Cocoa	200,000
3	Maize	65,000

Table 1

Represent this information on a *pie chart*.

(4 marks)