1920/102A
COMPUTER APPLICATIONS I (THEORY)
November 2016
Time: 1 hour

THE KENYA NATIONAL EXAMINATIONS COUNCIL

CRAFT CERTIFICATE IN INFORMATION TECHNOLOGY

MODULE I

COMPUTER APPLICATIONS I (Theory)

1 hour

INSTRUCTIONS TO CANDIDATES:

*This paper consists of **TEN** questions.*
*Answer **ALL** the questions in the answer booklet provided.*
Candidates should answer the questions in English.

This paper consists of 3 printed pages.

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

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Turn over

1. (a) State the computer generation that had each of the following characteristics experienced for the first time: (2 marks)

   (i)   used very large scale integration;

   (ii)   magnetic disk used for secondary storage;

   (iii) used transistor technology in the logic circuit;

   (iv)   computer that mimicked human being

   (b) Outline **four** possible uses of a computer in a hospital. (2 marks)

2. (a) Explain the importance of declaring each of the following in a relational database:

   (i)   Data type; (2 marks)

   (ii)   Field property. (2 marks)

3 (a) State the function of each of the following icons in a word processor:

   (i)   (1 mark)

   (ii)   (1 mark)

   (b) Outline a feature in a word processor that would be used to perform each of the following:

   (i)   Typed text that appears automatically at the top of every page in a document; (1 mark)

   (ii)   Automatically customises a letter for recipients. (1 mark)

4 Distinguish between a *single user* and a *multi user* operating system. (4 marks)

5 Marty would like to design a presentation using a presentation package. Outline **two** features in the program that he should consider to achieve each of the following:

   (a) consistency in the presentation; (2 marks)

   (b) visual appeal. (2 marks)

6. Martin has developed a website for an organization and would like to prevent the site from illegal access. Outline **four** ways in which he can achieve his objective. (4 marks)

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7. Figure 1 shows an extract from a spreadsheet program used by a teacher to compute grades in an examination. Write a formula using the *If function* and cell addresses that will determine the grade for the subject whose code is U001, given that a score of 60 and above is awarded grade 'A', 50 and less than 60 is awarded grade 'B' and less than 50 is awarded grade 'F'. (4 marks)

Subject Code	Subject Name	Score	Grade
U001	Computer Application	70	
U002	Structured Programming	50	
U003	Mathematics	44	

Figure 1

8. Anne was using notepad program to perform some operations on the keyboard. State the keyboard keys that she would use for each of the following:

   (a)   start a new line;   (1 mark)
   (b)   cancel the current instruction;   (1 mark)
   (c)   delete text from right to left;   (1 mark)
   (d)   Display information on the previous page.   (1 mark)

9. Azira would like to purchase a car from a vendor who is abroad. Outline **four** ways in which she can use the internet to achieve her goal.   (4 marks)

10. Bluetop cybercafé has acquired web cameras for their computers. Explain **two** ways in which their customers would use them.   (4 marks)

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