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Name:	Index No/
1920/101 INTRODUCTION TO ICT	Candidate's Signature:
November 2015 Time: 3 hours	Date:



THE KENYA NATIONAL EXAMINATIONS COUNCIL

CRAFT CERTIFICATE IN INFORMATION TECHNOLOGY

MODULE I

INTRODUCTION TO ICT
3 hours

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.

This paper consists of fifteen questions in TWO sections: A and B.

Answer ALL the questions in section A in the spaces provided after each question.

Answer any FOUR questions in section B in the spaces provided after each question.

Candidates should answer the questions in English.

For Examiner's Use Only

Section	Question	Maximum	Candidate's score
A	1-10	40	
	11	15	
	12	15	
В	13	15	
	14	15	
	15	15	
	Tota	al score	

This paper consists of 12 printed pages.

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

Turn over

SECTION A (40 marks)

Answer ALL questions in the spaces provided.

(a)	Define the term <i>firmware</i> as used in computer systems.	(2 mark
-		
(b)	Outline two reasons why computer users generate backup files.	(2 marks
(a)	State two features of the first generation computers.	(2 marks
(b)	Joan discovered that her computer could not boot even though the power corright. Explain what could have been the cause of this.	nnectivity was (2 marks
	· · · · · · · · · · · · · · · · · · ·	

(i)	coaxial cables;	(2 marks
(ii)	twisted pair cables.	(2 marks
(a)	James intends to buy a flatbed scanner for office use. Outline two functions that	at the scann
	could be used for.	(2 marks
(b)	Explain the term assembly language as used in computer systems.	(2 mark

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tate two ways of minimizing piracy of computer software	(2 marks
two methods that a computer operator would apply to improve ergo er being used in an office environment.	onomics on a (4 marks
refers an LCD monitor to a CRT monitor. Explain two justifications	for his preference.
	utline two advantages of Magnetic Ink Character Reader (MICR) as tate two ways of minimizing piracy of computer software. two methods that a computer operator would apply to improve ergor being used in an office environment.

(i) —	Print Screen;		(2 marks
(ii)	Esc.		(2 marks
		-	

SECTION B (60 marks)

(a)	Describe computer output to microfilm (COM) as used in computer systems. (3 marks)
(b)	Explain three factors to be considered when purchasing computer hardware, other than cost. (6 marks)
(c)	Dan intends to install utility software in his home computer for domestic use. Explain three utilities he could install. (6 marks)

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(a)	With the aid of an example in each case, outline three functions of spreadsheet compute software. (3 mar				
(b)	A computer consulting company intends to educate the public on various forms of computer crimes. Explain three forms of such crimes. (6 mar				
(c)	With the aid of a block diagram, explain the functional components of a computer system (6 mar				
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(b)	A secondary school intends to buy computers for its management staff. Explain t that the computers could be put into.	(4 marks)
<u> </u>		
(c)	Explain each of the following file management functions of an operating system:	
	(i) file dumping;	(2 marks)
	(ii) file loading;	(2 marks)
	(iii) file deletion.	(2 marks
(a)	Explain the difference between desktop and palmtop computers.	(4 marks)

14.

(b)	(1)	Distinguish between indexed sequential and sequential file organization	methods. (3 marks)
		NAME OF THE PERSON OF THE PERS	
	(ii)	A company has supplied the following software to a college for use.	
		novel, Ms PowerPoint, unix, Ms Access, Windows for Workgroup,	
		sify the above software either as; the operating system, presentation softwoase management system.	are or (2 marks)
	· .		
(c)	(i)	Explain the relationship between each of the following data storage units	::
		I. byte and bit;	(2 marks)
		I. kilobyte and gigabyte;	(2 marks)
	(11)	Outline two functions of the primary storage of a computer system.	(2 marks)

(a)	(i)	The use of ICT technology for money transfer has changed the way in which Kenyans do business. Explain two benefits to business people for using this serve (4 m
	(ii)	Explain one circumstance under which a wireless mouse would be of necessity
	(11)	input device. (1
(b)		omputer laboratory requires some standard measures to be followed to ensure ty and security. Outline four such measures. (4 m

benefits that the shop will gain with this move.	(6 r
	
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November 2015