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Name:	Index No
2920/101	Candidate's Signature:
INTRODUCTION TO ICT AND ETHICS	
July 2013	Date:
Time: 3 hours	





THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

MODULE I

INTRODUCTION TO ICT AND ETHICS

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.

Answer any FIVE of the eight questions in the spaces provided after each question.

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Marks	1 3		

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.

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(a)	Outlin	ne four disadvantages of a microfilm output as used in data processing. (4 mark
(b)	(i)	Define the term ethics as used in Information Communication Technology. (2 mark
	j	
	(ii)	Outline two ways that could be used to enforce ethics in Information Communication Technology industry. (2 mark
(c)	in its	ing Company Ltd intends to incorporate the cloud computing technolog operations. Explain three benefits that the company is likely to derive this technology. (6 mar.)
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		So and the second secon
(d)	(i)	Distinguish between personal responsibility and corporate social responsibility as used in ICT and ethics. (4 mar
_		
	(ii)	The following is a list of storage devices:

	- Hard disk	
	- DVD	
	- Diskette	
	 Compact disks 	
	Classify them under either magnetic or optical devices.	(2 marks)
1		
Defin	e each of the following terms as used in computer networks:	
	e each of the following terms as used in computer networks: extranet;	(2 marks)
		(2 marks)
i)		(2 marks)
i)	extranet;	
i)	extranet;	
ii)	intranet. intranet. guish between peer-to-peer and client-server as used in comp	(2 marks)



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With the aid of an example in each case, explain how each of the following would affect the output of employees in an organization: (c)

2. (a)

(b)

	(i) stress;	(3 marks)
_		
	(ii) emotions.	(3 marks)
(d)	Kilimu Company intends to put in place measures to reduce computer users' eyes. Explain three such measures that the compound put in place.	strain on its pany (6 marks)
	,et.on	
	925/12	
(a)	Outline two characteristics of the second generation computers	. (2 marks)
_		
(b)	Explain two likely causes of non-work related conflicts in an org	anization. (4 marks)

3.

(c)	Kudu	intends to acquire a printer using the lease method. Explain three mstances that may have contributed to this method of acquisition. (6 marks)
		(O marks)
	1	
(d)	(i)	Gorges, an architect intends to acquire a hardcopy output device for his design work. Justifying your answer, state the most appropriate output device that he would choose. (2 marks)
	- 17	
_		
	(ii)	Cultic College intends to set up a computer laboratory for its students. Explain three factors that the college should consider when setting up the laboratory. (6 marks)
		e ⁰
		the state of the s

(a)	(i)	Explain the term data bus as used in Information Commun Technology,	(2 marks)
	(ii)	With the aid of an example, describe the term procrastinat in time management.	ion as used (4 marks)
	į		
	1		
(b)	Expl	ain two roles of a computer programmer in an organization.	(4 marks)
		con contract of the contract o	
(c)	Disti Infor	nguish between super computer and main frame computer as mation Communication Technology.	used in (4marks)
(d)	in the	a college counselor has noticed frequent quarrels among her e staffroom. Explain three Conflict Management strategies the id institute to reduce the levels of quarrelling.	colleagues nat she (6 marks)
			4

(a)		in the contribution of each of the following persons to the deve inputer technology:	elopment
	(i)	Charles Babbage;	(2 mark
	į		
	(ii)	Blaise Pascal.	(2 mark
_			
(b)	Expla	ain two advantages of integrated software to an organization.	(4 mark
		o CO	
		STATE	
_		ei ^o	7,77
(c)		nternational bank intends to minimize environmental pollution t from its ICT equipment. Explain three strategies that the ban st.	
_			
	1 1		

(d)	With the aid of a diagram, describe a metropolitan area network.	(6 marks)
	1.	
(a)	Outline two functions of an Uninterruptible Power Supply as use computer laboratory.	d in a (4 mark
	Met.	
_	357	
(b)	Differentiate between open architecture and closed architecture a computers.	s used in (4 mark
(c)	Joy prefers a laser printer to a dot matrix printer for her personal three reasons that may have influenced to her preference.	use. Explair (6 mark
_		

(d)	Cytec Company intends to purchase new computer RAM modules. procurement team on three factors that they should consider.	Advice the (6 marks)
1		
	A COM	
	e as the	
(a)	Outline four examples of utility programs as used in computers.	(2 marks)
(b)	Distinguish between preventive and reactive conflict management techniques as used in ICT.	gement (4 marks)

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	(ii)	James, a matatu businessman intends to in system (GPS) device in his cars. Explain likely to experience.	
-		10000 * 0000 00 * 0000 00 0000	***************************************
_			F
:)	Expla	in each of the following terms as used in co	omputer software:
:)	Expla	nin each of the following terms as used in co	
:)			
:)			
:)			omputer software: (2 marks
:)			
:)	(i)	off-the-shelf;	(2 marks
:)	(i)	off-the-shelf;	(2 marks
:)	(i)	off-the-shelf; spreadsheet package.	(2 marks
:)	(i)	off-the-shelf; spreadsheet package.	(2 marks
:)	(i)	off-the-shelf; spreadsheet package.	(2 marks

(d)	Kaputil Company has converted its manual data processing system electronic method. Explain three ways in which the employees wo negatively affected by the conversion.	to uld be (6 marks)
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-		90 00
(a)	Define each of the following terms as used in Information Commu Technology and ethics:	nication
	(i) copyright;	(2 marks)
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	Sugar A.	
_	3/2	
	(ii) privacy	(2 marks)
_	*/	
(b)	Distinguish between silent and automatic software installation me used in Information Communication Technology.	thods as (4 marks)
-		
	(a)	(a) Define each of the following terms as used in Information Community Comparison: (i) copyright; (ii) privacy (iii) Distinguish between silent and automatic software installation me

(c)	Colon Company Ltd develops software for different companies. Explain three challenges the company is likely to face in trying to deal with intellectual property rights of the programmers. (6 marks)
	property rights of the programmers.
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	col.
d)	Garter a counselor has been invited to Riang College to talk to the students about causes of stress and how to manage them. Explain three causes of stress that he is likely to discuss. (6 marks
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