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

For Official Use Only

Question	1	2	3	4	5	6	7	8	Total Marks
Marks					11				

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.

© 2013 The Kenya National Examinations Council

Turn over

(a)	Outlin	c four disadvantages of a microfilm output as used in data	processing. (4 marks)
(b)	(i)	Define the term <i>ethics</i> as used in Information Communicated Technology.	ation (2 marks)
	j.		
	(ii)	Outline two ways that could be used to enforce ethics in Communication Technology industry.	Information (2 marks)
(c)	in its	ng Company Ltd intends to incorporate the cloud computin operations. Explain three benefits that the company is like this technology.	g technology ly to derive (6 marks
(d)	(i)	Distinguish between personal responsibility and corpora responsibility as used in ICT and ethics.	ate social (4 marks
=			
_	(ii)	The following is a list of storage devices:	

- Hard disk
- DVD
- Diskette
- Compact disks

		Classify tl	nem under either magnetic or optical devices.	(2 mark
(a)	Defin	ne each of the fo	llowing terms as used in computer networks:	
	(i)	extranet;	Torring some an area in company networks.	(2 marl
	(ii)	intranet.		(2 mari
(b)	Distin	nguish between	peer-to-peer and client-server as used in comp	outer (4 mar
			the state of the s	N 4 (0)
			2 9 JIII 2013 E	
_			0 (17)	- 175

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

	(i)	stress;		(3 marks)
	(ii)	emotions.		(3 marks)
(d)	comp	u Company intends to put in place uter users' eyes. Explain three such put in place.	measures to reduce n measures that the comp	strain on its any (6 marks)
		#/		11
(a)	Outli	ne two characteristics of the second	generation computers.	(2 marks)
_				
(b)	Explai	n two likely causes of non-work re	lated conflicts in an organ	nization. (4 marks)

3.

(c)		intends to acquire a printer using the lease method. Explain three mstances that may have contributed to this method of acquisition. (6 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)
	(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)

(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		
(b)	Expl	ain two roles of a computer programmer in an organization.	(4 marks
(c)	Disti Infor	inguish 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 ld institute to reduce the levels of quarrelling.	colleagues at she (6 marks

(ii) Blaise Pascal. (2 ma (b) Explain two advantages of integrated software to an organization. (4 ma (c) An international bank intends to minimize environmental pollution that m	(a)	expla of co	ain the contribution mputer technolog	on of each of the ty:	following p	ersons to the dev	velopment
(b) Explain two advantages of <i>integrated software</i> to an organization. (4 magnetic forms of the software to an organization of the software to an organization. (5 magnetic forms of the software to an organization of the software to an organization. (6 magnetic forms of the software to an organization of the software to an organization.		(i)	Charles Babba	ge;			(2 marks
(b) Explain two advantages of <i>integrated software</i> to an organization. (4 magnetic forms of the software to an organization of the software to an organization. (5 magnetic forms of the software to an organization of the software to an organization. (6 magnetic forms of the software to an organization of the software to an organization. (6 magnetic forms of the software to an organization of the software to an organization. (6 magnetic forms of the software to an organization of the software to an organization of the software to an organization.		į					
(c) An international bank intends to minimize environmental pollution that m		(ii)	Blaise Pascal.				(2 marks
	(b)	Expl	ain two advantag	es of integrated	software to	an organization.	(4 marks
result from its ICT equipment. Explain three strategies that the bank could adopt. (6 mg	(c)	resul	lt from its ICT eq				

With the aid of a diagram, describe a metropolitan area network.	(6 marks)
× ·	
Outline two functions of an <i>Uninterruptible Power Supply</i> as used computer laboratory.	in a (4 marks
Differentiate between open architecture and closed architecture as	used in
computers.	(4 marks
Joy prefers a laser printer to a dot matrix printer for her personal u three reasons that may have influenced to her preference.	se. Explain (6 mark
	Outline two functions of an Uninterruptible Power Supply as used computer laboratory. Differentiate between open architecture and closed architecture as computers.

6.

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

2920/101

	(ii)	James, a matatu businessman intends to system (GPS) device in his cars. Explain likely to experience.		
		nkely to experience.		(+ marks)
			£)	
	1			
c)	Expla	in each of the following terms as used in	computer software	
c)	Expla	ain each of the following terms as used in off-the-shelf;	computer software	: (2 marks
c)			computer software	
c)			computer software	(2 marks
c)			computer software	
c)	(i)	off-the-shelf; spreadsheet package.	computer software	(2 marks
c)	(i)	off-the-shelf;	computer software	(2 marks
(c)	(i)	off-the-shelf; spreadsheet package.	computer software	(2 marks

(d)	Kaputil Company has converted its many electronic method, Explain three ways in negatively affected by the conversion.	n which the employees would be			
	negatively affected by the conversion.	(6 mark			
	La L				
	1				
-					
_					
-					
(a)	Define each of the following terms as us Technology and ethics:	ed in Information Communication			
	(i) copyright;	(2 mar			
_	2007 - 0.00000000000000000000000000000000	The state of the s			
_					
	ans.				
	(ii) privacy	(2 mar			
-	2000				
(b)					
	used in Information Communication Tec	chnology. (4 mar			
_					

(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)
	20 111 2013
	(2) 29 mi
	(17)
_	
_	
-	
_	
(d)	Garter a counselor has been invited to Kiang 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)
_	
IT	
_	