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INFORMATION COMMUNICATION TECHNOLOGY (THEORY)

Paper 1

November 2018 Time: 2 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN SALES AND MARKETING DIPLOMA IN SUPPLY CHAIN MANAGEMENT DIPLOMA IN BUSINESS MANAGEMENT DIPLOMA IN COOPERATIVE MANAGEMENT DIPLOMA IN HUMAN RESOURCE MANAGEMENT DIPLOMA IN ROADS TRANSPORT MANAGEMENT DIPLOMA IN TOURISM MANAGEMENT DIPLOMA IN INFORMATION SCIENCE DIPLOMA IN TOUR GUIDING MANAGEMENT DIPLOMA IN PETROLEUM MANAGEMENT DIPLOMA IN PROJECT MANAGEMENT DIPLOMA IN MARITIME TRANSPORT LOGISTICS DIPLOMA IN DISASTER MANAGEMENT DIPLOMA IN PRINT JOURNALISM DIPLOMA IN BROADCAST JOURNALISM DIPLOMA IN DIGITAL JOURNALISM

MODULE I

INFORMATION COMMUNICATION TECHNOLOGY (THEORY)

Paper 1

2 hours

INSTRUCTIONS TO CANDIDATES

This paper consists of SIX questions.

Answer any FOUR of the SIX questions in the answer booklet provided.

All questions carry equal marks.

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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1.	(a)	Outli	ne three uses of a computer in a transport company.	(3 marks)
	(b)	(i)	Differentiate between special and functional computer keyboard ke example in each case.	ys giving an (4 marks)
	,	 (ii) Irene would like to upgrade the microprocessor in her laptop. Explain two factors, other than cost, she should consider when selecting the microprocessor. (4 marks) 		
	(c)	With the aid of an example in each, explain two categories of application software. (4 marks)		
2.	(a)	Explain the circumstance under which each of the following input devices are most applicable:		
		(i)	pointing;	
		(ii)	scanning.	(4 marks)
	(b)	Expla	ain two functions of operating systems in mobile phones.	(4 marks)
	(c)	(i)	Outline three types of computer buses.	(3 marks)
	2	(ii)	Describe the procedure that could be used to customize the screen s computer.	saver on the (4 marks)
3.	(a)	(i)	State four paragraph alignments that could be applied in a word do	ocument. (2 marks)
		(ii)	Outline two page orientations used in word documents.	(2 marks)
	(b)	Diffe	erentiate between name box and formula bar as used in spreadsheet pro	ograms. (4 marks)
	(c)	(i)	Explain two advantages of the batch data processing method.	(3 marks)
:98	200	(ii)	With the aid of a diagram, outline the logical components of a com-	puter file. (4 marks)
4.	(a)	(i)	Explain the function of the mail merge feature in word processing p	orograms. (2 marks)
		(ii)	Describe the procedure a marketer could use to create a table of cou word processing program.	ntents in a (4 marks)
	(b)	Write the general syntax for each of the following functions as used in spreadsheets:		
		(i)	countif();	
		(ii)	left().	(4 marks)
	(c)	Peter	Peter intends to design a database system for a petroleum firm. Outline five types of	
		fields he is likely to use. (5 marks)		
5.	(a)	Distinguish between logical and physical security measures as applied in database systems. (3 marks)		

- (b) (i) State four computer network equipment other than computers. (2 marks)
 - (ii) With the aid of a diagram, describe the LAN topology that uses a token for media access. (4 marks)
- (c) With the aid of sketches, describe three slide layouts as used in presentation programs:

 (6 marks)
- (a) (i) Computer networks have changed the business world. Outline two benefits of the networks in courier companies. (2 marks)
 - (ii) The management of Holya Road Transport Ltd. has resolved to install Internet services in all their branches. Explain two services that the employees and clients of the company will enjoy. (4 marks)
 - (b) Figure 1 shows typical features in a presentation program. Explain the function of each of the features labeled (i) and (ii). (4 marks)

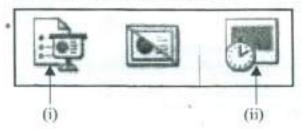


Figure 1

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- (c) (i) State four examples of internet browsers, (2 marks)
 - (ii) Many computer users are challenged with the emerging trends in application software. State three examples of the challenges experienced by novice users.
 (3 marks)

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