SECTION A (40 marks)

Answer all the questions in this section in the spaces provided	
State the function of the control unit in respect to each of the following:	(2 marks)
(a) coordination;	
(b) flow of data.	
A school intends to acquire a desktop computer. State three factors the s	chool should consider
about the computer memory.	(3 marks)
······································	
State the difference between Random Access Memory and Read Only M	emory with respect to
State the difference between Random Access Memory and Read Only M volatility.	(1 mar
volatility.	(1 mar
volatility.	(1 mar
volatility.	(1 mar
volatility.	(1 mar
volatility.	r hard disk. (3 mar

(a)	Arrange the following units of measurement in a computer from the largest to smallest.	(1 mark)
1	byte, nibble, bit, word	·····
(b)	Convert 2560 Gigabyte (GB) to Terabyte (TB).	(2 marks)
A con	mpany prefers laser printers over dot matrix printers for its operation.	State three (3 marks)

	two possible actions that a user may take when a computer's operating system	becomes (2 marks)
unres	ponsive to commands.	

Explai	in each of the following factors in reference to integrity in data processing: timeliness;	(4 marks)
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			(b) relevance.		
,			***************************************		

				methods in spreadsheets:	(3 marks
			Write an example for each of	of the following cell reference methods in spreadsheets:	
,	1		(a) mixed reference;		
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	(11011000110011001		
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	,		(b) relative reference;		
	<u> </u>		(b) relative reference;		
,	,				*************
	8		,	······································	
	load age		(c) absolute reference.		
	8		(c) absolute reference.		
	••				

	**				
			standard services that have be	ed most business people to prefer the use of Electroni	c Funds
		10	Transfer (EFT) as a mode of pa	avment.	(3 mark
	2		Transfer (EFT) as a mode of po	-,	
	1			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	"			•••••••••••••••••••••••••••••••••••••••	**************
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*1	,				(2arl
•	1	11	Explain the term authenticity as	a criterion for software selection.	(2 mark
43					••••••

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12	Distinguish between a word wrap and wrap text as used in word processing.	(4 marks)
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	««»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»	
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12	A data analyst wishes to use a keyboard to navigate within a worksheet in an electron	nic spreadsheet.
13	Other than arrow keys, state three examples of navigation keys the analyst may	use.
		(3 marks)
	······································	•••••
	***************************************	***************************************
		(2
14	Distinguish between a stroke and a fill as used in Desktop Publishing.	(2 marks)
		••••••

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		•••••••

15	Explain the function of a web server in the internet.	(2 marks)

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SECTION B (60 marks)

	Answe	Answer question 16 and any other three questions from this section in the spaces provided.							
16	(a)	State three characteristics of a source code in programming.	(3 marks)						

	(b)	A systems programmer opts to develop an application using a low-language. Explain three reasons for the option.	level programming (6 marks)						

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(c) Draw a flowchart for a program that prints the following sequence of numbers; (4 marks) 6, 9, 12, 15 ... for all the values less than 150.



	(ii)	State two advantages of using flowcharts in programming.	(2 marks)
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	State three factors that may be considered when creating user forms during syste	em marks
(a)	State three factors that may be considered with	(Itter ico
	development.	

,,,,,,		
*****		**********

(b)	Explain two benefits of carrying out unit testing during system development. (4	marks
		•••••
		•••••
	······································	
	the late the user manual. Explain tw	o uses
(c)	System users in an organization were provided with the user-manual. Explain two of this manual.	marks)

		••••••
(d)	A user replaced a command line based operating systems with Graphical User In operating system in a computer. State four windows interface operations that the would be able to perform with the new operating system that could not be done would be able to perform with the new operating system that could not be done would be able to perform with the new operating system that could not be done would be able to perform with the new operating system that could not be done would be able to perform with the new operating systems with Graphical User In operating systems	
	would be able to perform with the new operating system that could not be done w	marks)
	replaced operating system. (4)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

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(a)	A school has been advised to install an email software. State four adva	ntages the school (4 marks)
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(b)	A database table has fields; EmployeeID, EmployeeName, HoursWorked Rate_per_hour. Write an expression that would return: (i) a field named wages which is a product of hours worked and rate	d and
•••••	(ii) details of employees whose EmployeeID is between 100 and 200.	
******		*******************
(c)	(i) Explain the term data encryption as used in data security.	(2 marks)
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	(ii)	With the transmis	aid of an sion of data	inustrati	on, expi	an we	process	or data	encry	otion dur (4 mar	rks
											••••
					10 4 10 H						
(a)	System State	n develop	ment comp developm	oanies are ent relate	opting to d skills th	hire empat these	ployees f compani	rom an es may	y part o look fo	f the wor r. (3 mar	
(a)	State	three wel	ment comp developm	ent relate	d skills th	at these	compani	es may	look fo	r. (3 mar	ks)
(ь)	Using	g one's c	odevelopm	convert	the decir	nal num	ompani	es may	its bina	r. (3 mar ary num (6 mar	bei
(b)	Using	g one's c	odevelopm	convert	the decir	at these	ber 19.6	25 to	its bina	r. (3 mar	ks)
(b)	Using	g one's c	omplement	convert	the decir	at these	ompani	625 to	its bina	r. (3 mar	bei
(b)	Using	g one's c	odevelopm	convert	the decir	at these	ompani	625 to	its bina	r. (3 mar	berks

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(e)	A company resinaccessible. Expresent this occ	alised that its systems had been jammed and all its online explain three control measures the company should have currence.	services made put in place to (6 marks)

******			***************************************
	als fi	***************************************	••••••
(a)	State three effe	cts of e-waste materials on the home environment.	(3 marks)
********			***************************************
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*********		······································	*********

(b)	A student was actwo reasons for i	lvised to back-up project files on a secondary storage debacking up the files.	evice. Explain (4 marks)

**********	*********************		***************************************
			••••••••
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(c)	Explain one func	tion of each of the following computer network compo	***************************************
		oniputer network compo	onents:
	(i) gateway;		(4 marks)
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		***************************************	*************************
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	(ii)	bridge.	
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********	• • • • • • • • • • • • • • • • • • • •		•••••
(d)	Figu: and a	I shows a cross section of a type of cable used in data communication. Student swer the questions that follow.	dy it
		Figure 1	
	(i)	Identify the type of cable.	
		(1 m	ark)
******	********		
*******	*********	***************************************	•••••
	(ii)	State three advantages of using this type of cable.	
******		(3 ma	irke)
		(- 110	463)
********	**********	(3 ma	*******
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