Name	Index No	/
2920/102A	Candidate's Signature	
COMPUTER APPLICATIONS I (THEORY)	_	
Paper 1	Date	
November 2015		

THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

MODULE I

COMPUTER APPLICATIONS I (THEORY)

Paper 1

2 hours

INSTRUCTIONS TO CANDIDATES

Time: 2 hours

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 FOUR of the SIX questions in the spaces provided on this question paper.

Candidates should answer the questions in English.

For Examiner's Use Only

Question	1	2	3	4	5	6	Total Score
Candidate's							
Score							

This paper consists of 11 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)	Explain the function of each of the following features of a word processing softw	vare:
	(i) gutter margin;	(2 marks
	(ii) hyphenation.	(2 montr
	(a) hypicuation.	(2 marks
(b)	Outline three advantages of using a database management system instead of the	/2 1
	conventional computer filing system.	(3 marks
.		
(c)	Explain the function of macros as used in spreadsheet programs.	(2 marks

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(d)	Joel intends to design a data entry form using a database software. Explain the categories of controls he could use to achieve his objective.	(6 marks)
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- / 80-		
(a)	A government ICT officer has recommended the installation of wireless LAI LAN. Outline three reasons that may have formed his decision.	N over wired (3 mark
–		
(b)	Differentiate between <i>smartart</i> and <i>clipart</i> as used in presentation software.	(4 mark
		<u>_</u>

(c) Figure 1 shows part of a spreadsheet extract. Use it to answer the questions that follow.

	ļ	4	В	С	
	PROPER	ťΥ			
1	VALUE		COMMISSION		
2		100000	7000		
3		200000	14000		
4		300000	21000		
5		400000	28000		
6					

Figure 1

(i)	Using the AVERAGEIF() function, write a formula which could be used to calculate the average of commissions whose property value is greater than
	Kshs. 230,000. (3 marks
- -	
_	
(ii) 	Using an appropriate function, write a formula that could be used to extract the largest commission. (1 mark
<u>.</u>	
(iii)	Suppose a user entered the formula $SUMIF(B2:B5, "<25,000",A2:A5)$ in cell C6. State the expected output. (2 marks

- (d) A database of an estate agency stores details of all the queries made. For each query, the following fields are held in the file:
 - name the of the customer
 - the number of bedrooms requested
 - the date on which the query was made
 - whether the customer asked for details of a property or not

State a suitable data type for each of the fields.

(2 marks)

(a)	Differentiate between magnetic and optical storage media, giving two examples is case.	in each (4 ma
	<u> </u>	
(b)	Outline three utility programs used in computer systems.	(3 ma
(c)	Joseph has been advised by his supervisor to appropriately align the text on a mer was formatting using a word-processing software. Outline four types of alignment	mo he
	he could use.	(4 ma
	·	

(d) Study the extract below and answer the question that follows:

Marketing Consortium Ltd.

arketing Consortium is a consultancy that provides a full range of strategic and tactical marketing, communications, business development, coaching, education and outreach support to Jua Kali artisans to engage in public sector tenders. We support clients nationally through our presence in Kenya-Nairobi.

we can also help you with idea generation, research, marketing and communications planning, program development and execution, editorial and creative support, coaching, training and project management.

Consider us as an extension of your:

- marketing,
- communications and,
- business development or coaching functions that can be utilized when required.

Identify eight formatting features applied on the extract.	(4 marks
(a) Explain the function of each of the following view option	ns in a presentation program:
(i) slide sorter;	(2 marks

	(ii) notes page.	(2 marks)
(b)	Differentiate between portrait and landscape print options used in desl	ktop publishing. (3 marks)
(c)	Mary realized that the text she inserted into a text box while using desl program could not fit in the box. Describe two ways she could use to	
(c)		have the text fit. (4 marks)
(c)	program could not fit in the box. Describe two ways she could use to	have the text fit. (4 marks)
(e)	program could not fit in the box. Describe two ways she could use to	have the text fit. (4 marks)
(c)	program could not fit in the box. Describe two ways she could use to	have the text fit. (4 marks)

(d) Figure 2 shows a rehearsal toolbar in a presentation program. Use it to answer the question that follows.

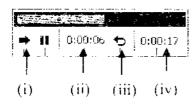


Figure 2

	
(i)	Outline three types of user interfaces provided by an operating system. (3 mag)
(ii)	Differentiate between tailor made and off- the-shelf programs as used in compute software. (3 mag)
	ain the function of each of the following as used in computer systems:
(i)	firewall; (1 m
	(ii)

(ii)	search engine	easytvet.cor (1 mark)
Expl	lain two circumstances under which a use	r would apply a cropping feature in a desktop

(d)	Given that cells B2, B3 and B4 of a spreadsheet program contain the to = D3*E6, =A\$8 and =\$D\$5 respectively. State the formulas, as they	•
	when copied into cells E2, E3 and E5 respectively.	(3 marks)

a) Ou	Outline four layout guides available in a desktop publishing program.			(2 m	
				. .	
				-	
		··-			

(c)

publishing software.

(4 marks)

(b) Figure 3 is an extract of an object created in a desktop publishing program.

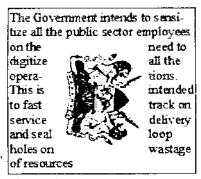


Figure 3

Explain two formatting f	ain two formatting features applied on the object.		(4 marks)	
 · ·				

(c) Table 1 is an extract of field properties with the relative specifications entered during the design of a table in a database program. Use it to answer the question that follows

Field properties	Specifications
Default Value	0
Validation Rule	<4000
Validation Text	Try again
Required	Yes
Indexed	Yes(Duplicate ok)
Text Align	Center

Table 1

State the function of each specification for the given field properties.			(6 marks
			······································
•			
			

(d) Figure 3 is an extract of a formatting toolbar in a word processing program. Use it to answer the question that follows.

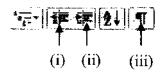


Figure 3

State the function of each tool labeled (i), (ii) and (iii).	(3 marks	
	West	
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