COMPUTER STUDIES — Paper 2 451/2



(PRACTICAL) Nov. 2019 - 21/2 hours



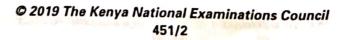
Instructions to candidates

- (a) Write your name and index number at the top right hand corner of each of the papers provided for printing.
- (b) Write your name and index number on the CD/Removable storage medium provided.
- (c) Write the name and version of the software used for each question attempted in the printouts 2019 KCSE 2079 used.
- (d) Answer all the questions.
- (e) All questions carry equal marks.
- (f) Passwords should not be used while saving files.
- (g) All files must be transferred to the CD/Removable storage medium.
- (h) Make printouts of your answers on the papers provided for printing.
- (i) Arrange your printouts and tie/staple them together.
- (j) Hand in all the printouts and the CD/Removable storage medium used.
- (k) This paper consists of 5 printed pages.
- (I) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- (m) Candidates should answer the questions in English.











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- 1. Form 1 Class Teachers of Mwango Secondary School intend to use a database to manage students performance in three examinations: opener, mid term and end term examinations.
 - (a) Open a database program and create a database named analysis.

(1 mark)

(b) (i) Create three tables named Class, StudDetails and StudMarks in the database file created in (a) using the following details: (14 marks)

Class Table

Field Name	Data Type and Properties
ClassID	Text (size = 2)
ClassName	Text (size = 25)
Teacher	Text (size = 25)

StudDetails Table

Field Name	Data Type and Properties			
AdNo	Number			
StudName	Text (size = 25)			
Gender Yes/No (Yes for Female)				
ClassID	Text (size = 2)			
111	Look up values, 1E, 1N, 1W			

StudMarks Table

Field Name	Data Type and Properties
AdNo	Number
Opener	Number
MidTerm	Number
EndTerm	Number

(ii) Create the relationships between the tables.

(2 marks)

(iii) Create a form for the Class table and add a subform for the StudDetails table using the format in figure 1. Save the form as dataentry. (4½ marks)

ClassID	ClassName	Teacher	
All I was			

AdNo	StudName	Gender	Classific
		•	ClassID
	3	34	

Figure 1

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(iv)

Class Table

ClassID	ClassName	Teacher	
1E	Form One East	Elvis Barongo	
1N	Form One North	Alice Nadiya	
1W	Form One West	Paul Mkacharo	

StudDetails Table

AdNo	AdNo StudName		ClassID
7984	Mary Kikoti	Female	1E
7460	Erica Kamburi	Female	1E
7800	Axlam Khan	Male	1E
8083	Martin Mkanjala	Male	1E
8092	Esther Peresian	Female	1N
8490	Micah Lokiyoto	Male	1N
8082	Mohamed Ayan	Male	1N
7896	Mark Kwalima	Male	1W
7892	Morgan Lema	Male	1W
8184	Emily Mawasi	Female	1W
8047	Edward Omogeni	Male	1W

StudMarks Table

AdNo	Opener	MidTerm	EndTerm
7984	85	76	82
7460	73	84	79
7800	78	79	86
8083	81	75	87
8092	73	76	83
8490	71	71	87
8082	81	70	90
7896	88	85	88
7892	85	84	89
8184	85	81	83
8047	90	75	86



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				4			
(c)	Creat	e a query to d	isplay the fields:	to a spe			
	(i)	AdNo, Stud Form One E	Name, ClassID, ast. Save the qu	Opener, Mery as F1E	idTerm and EndT	erm for all s	tudents in (4½ marks)
	(ii)	AdNo, Studifield named	Name, ClassID	0	idTerm and EndT average in the thre	erm and a case examinati	
(d)	Creat	e a report to d	isplay details of	each stude	nt as it appears in	Figure 2	
	ſ	1.				mer hand	(2½ marks)
			MWANGO SECO			4	
		Ad No	END OF TERM R	REPORT FORM			
		10	Name	J14 \$1 - X	Class Name		
	S.	Opener	1 1			- 4	
		Mid Term		7 1		1 10 12	
		End Term	4			922	
		Mean Score		1			
			Fi	gure 2	Dr. Mariana	110	1 1 1
(e)	Print	out each of th	e following:				

Print out each of the following:

(3 marks)

- (i) the three tables
- (ii) the two queries
- report for the first two students (iii)



- 2. The Chief Printer of Zenith Printers Company would like to have business cards. As a Desktop Publishing (DTP) expert, you have been tasked to design the card for the officer.
 - (a) (i) Open a Desktop Publishing program and set the page layout as follows:

• Paper size: 8.5 cm width by 5.5 cm height

• Layout type: multiple pages per sheet

Target paper size: A4Orientation: Portrait

• Margin: 0.75 cm all round

(5 marks)

(ii) Save the publication as business card.

(1 mark)

(b) Design the card as it appears in Figure 3 ensuring that the card covers all the space in the page. (42 marks)



Figure 3

(c) Print out 10 copies of the card on a single A4 page.

(2 marks)

THIS IS THE LAST PRINTED PAGE.



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