Name... Index No...

Candidates Signature ....

Date..

451/2
COMPUTER STUDIES
PAPER 2
(PRACTICAL)
JUNE 2017
TIME: 2 ½ HOURS

MID TERM EXAM -2017
Kenya Certificate of Secondary Education (K.C.S.E)

Instructions to candidates

- Type your name and Index No at the top right hand corner of each printout.
- Write your name and Index No on the CD
- Write the Name and version of software used in each question on the answer sheet
- Passwords should not be used
- Answer all the questions
- All answers must be saved in a CD
- Make printouts of the answers

Candidates should check the question paper to ascertain that all pages are printed and no questions are missing

1. The following are the KCSE results for a certain school.

BARAKA HIGH SCHOOL													
NAME	ENG	KSW	MAT	BIO	PHY	CHE	GEO	ART	COM	FRE	AVE. POINT MARK	OVERALL GRADE	RANK
Njiru	B+	B	A	B-	A	B	B-	A-					
Manwa	C-	B+	A	A-	A	C	A-		A				
Kalulwe	B+	B	A	B+	A	B+	B	A					
Leonard	B+	A	A	C-	A	A-	C+		B+				
Fred	A	A	A	B	A	A	A-			B+			
Njogu	B+	B+	A	A-	A	A	A-	C+					
Muange	B+	B	B	A	A	A+	C+			A			
Kiprono	B	B+	A	A-	C	B+	A		A-				
Wekesa	B+	A	C+	A	B-	B	A		A				
Ndiragu	C+	B+	B	B	A	A	B+	D+					
Opiyo	A-	B	B+	D+	A-	B	B	B-		A-			
Mean													

a. i. Enter the data using the given values above in excel and save your work as KSSEXCEL
(15marks)

ii. Two rows below the table above determine point scored by each student per subject. given
that   (7marks)

Grade	A	A-	B+	B	B-	C+	C	C-	D+
Value	12	11	10	9	8	7	6	5	4

iii.   Rename sheet1 to "Broadsheet"   (1mark)
b. Perform the following calculations.
   i.   Get the average point   (4marks)
   ii.   Determine each student overall grade   (5marks)
   iii. Determine each students rank using the Ave. Point Mark.   (4marks)
d. Calculate Subject Mean   (4marks)
e. **Draw** a Column Chart to display Subject performance   (4marks)
   -   Title as "SUBJECT ANALYSIS"
   -   **Place** the legend at the bottom of the graph   (2marks)
   -   **Save** the chart on a new sheet and name it Subject Analysis   (2marks)
f. Print

i) Broadsheet with formulae displayed   (3marks)

ii) Subject Analysis   (1marks)

2. You are the database administrator of Malcolm Computer Company which has branches all over the country. To maximize its profits, the company closely monitors its branch performance using computer. As the database administrator you are to use database to maximize the information required by the company.

  a. Create a database file and name it MALCOLM   (1Mark)

  b. Create two tables named branch details and sales details from fields listed below   (4Marks)

Branch code	branch name	Item code	profit	county	item	no of employees

  c. assign appropriate Primary key for the two tables and create relationship between them (3Marks)

  d. (i) Create forms for Branch and sales Details tables and save as branch and sales form respectively   (5Marks)

      (ii) Use the forms to enter the records below   (10 Marks)

Branch Code	Branch Name	County	No of Employees	Item Code	Item	Profit
20100	Millimani	Nairobi	20	207	Keyboard	
43200	Nakuru	Narok	35	304	Monitor	
32100	Westgate	Machakos	25	104	UPS	
67400	Wilmer	Eldoret	30	809	Mouse	
52700	Kathiani	Kondele	26	802	Printer	
73900	Langas	Kisumu	31	630	Switch	
81400	Ngamia1	Lodwar	15	307	Cat 6 cables	
90100	Mtwapa	Mombasa	20	876	Router	
43300	Shoppers	Mumias	15	743	Motherboard	

    (iii)   (3 Marks)

Branch code	Profit
20100	800,675
43200	1,210,256
32100	567,000
67400	750,555
52700	451,000
73900	741,200
81400	500,450
90100	678,500
43300	700,000

  e. (i) Create a query to calculate and display the sales from every county given that the profit is 12% the sales amount. Include all the necessary details/ fields in your query.   (5Marks)

      (ii) Save it as sales query   (2Marks)

  f. (i) Create another query to display counties with sales greater than 6 million. Include all the necessary details/ fields in your query.   (3 Marks)

(ii) Save it as leading sales (2 Marks)
g. (i) Create a tabular report with portrait orientation from sales query. Display the fields in the following order; branch code, branch name and sales (4 Marks)
 (ii) Compute the total sales and place it below the profit column (2 Marks)
(iii) Remove the report pagination and insert your name and index number and save the report as sales report (2 Marks)
h. Print the branch details table, Sales details form (only one page), sales query, leading sales and sales report (5 Marks)