

FORM FOUR CLUSTER KCSE MODEL13

COMPUTER STUDIES PAPER 2 QUESTIONS

1. The table below shows the overall ranking for the first 15 schools for the 2006 KCSE Exam- Nairobi County.

NAIROBI COUNTY -15 BEST SCHOOLS

SCHOOL	ENTRY	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E	Mean	Remarks
Strathmore	80	18	27	14	14	5	2	0	0	0	0	0	0		
Pangani	289	36	70	62	62	34	20	4	1	0	0	0	0		
Nairobi	267	18	37	62	59	46	30	9	5	1	0	0	0		
Kianda	64	14	18	13	16	2	1	0	0	0	0	0	0		
Starehe	207	71	77	33	21	2	2	0	1	0	0	0	0		
PB Riruta	92	24	29	18	7	7	2	3	2	0	0	0	0		
Sunshine	147	16	42	38	29	15	6	1	0	0	0	0	0		
Kenya H	200	26	46	53	34	17	16	6	2	0	0	0	0		
Moi Forces	179	9	22	35	36	34	24	15	4	0	0	0	0		
Lenana	219	23	57	48	38	24	19	7	2	0	1	0	0		
Light Ac	27	2	4	8	4	5	3	1	0	0	0	0	0		
St. Georges	169	2	14	32	38	47	20	14	2	0	0	0	0		
Wamy H	41	2	3	8	10	10	6	2	0	0	0	0	0		
Buruburu	123	0	11	27	39	17	15	10	3	1	0	0	0		
Karengata	28	0	3	3	8	8	6	0	0	0	0	0	0		
Highest Entry															
B+ count															

(a) Create a workbook and save it as RESULTS. In the workbook's sheet 1, enter the data given above and rename sheet 1 as SCHOOLS.

(b) Use formulae to generate the overall Mean of Strathmore School. Copy the formulae to get the overall mean of the remaining schools.

(c) Use the IF function to make the following remarks about a school's performance.

Mean	Remarks
8 to 8.6	FAIR
8.7 to 9.5	SATISFACTORY
9.6 to 10.5	GOOD
Above 10.5	EXCELLENT

(d) Format the table as follows.

- i. Shade the entry column in the dark colour 25%.
- ii. Format the mean column as number with four decimal places.
- iii. Apply dotted line or vertical inside borders.
- iv. Apply double line for the outside border.

(e)

(i) Copy the entire SCHOOLS worksheet to a blank sheet and rename the new sheet as MERIT.

(ii) Sort the data in ascending order using the mean as the criterion.

(iii) Generate a 3 D pie chart to compare by mean score the first five schools with the highest entry.

(iv) In the pie chart, explode the smallest portion.

(f)

(i) Use a function to count the number of schools with GOOD as remarks.

(ii) Use a function to return the highest Entry.

(g)

(i) Insert your Admission number as a header and the Table's title as Footer each sheet

(ii) Print both worksheets.

2. (a) Create a database file named Motokaa. Create a table named 'Car stock list' and then append the data shown below:

Make	Model	Price	Year	Mileage
<i>Nissan</i>	<i>Sunny 1.4 L</i>	<i>700000.00</i>	<i>93</i>	<i>24000</i>
<i>Ford</i>	<i>Escort</i>	<i>830000.00</i>	<i>92</i>	<i>35000</i>
<i>Nissan</i>	<i>200sx</i>	<i>1099550.00</i>	<i>93</i>	<i>56000</i>
<i>Honda</i>	<i>Civic</i>	<i>799500.00</i>	<i>91</i>	<i>10000</i>
<i>Mercedes</i>	<i>230</i>	<i>3500000.00</i>	<i>92</i>	<i>23000</i>
<i>Toyota</i>	<i>Starlet</i>	<i>7500000.00</i>	<i>93</i>	<i>21000</i>
<i>Ford</i>	<i>Mondeo</i>	<i>800000.00</i>	<i>94</i>	<i>20000</i>
<i>Subaru</i>	<i>Legacy</i>	<i>1200000.00</i>	<i>93</i>	<i>14000</i>
<i>Nissan</i>	<u><i>Micra 1.4</i></u>	<i>1990000.00</i>	<i>92</i>	<i>55000</i>

(b) Create another field labeled 'Selling price' whose values will be 2% higher than the values in the 'Price' column. Save the table as 'New data'

(c) Query the 'New data' table so as to display the: Make, Model, Selling Price and year for cars whose mileage is above 40000. Save the query as Query Mile

(d) Create a query that contains Make, Model, Selling Price, and tax. Tax is calculated as: Tax = Selling Price x 16%. Save the query as "Tax"

(e) Generate a report from Newdata that displays Make, Model, Selling Price, Mileage and Total Selling price of all cars. Save the report as "Report Total"

(f) Print Newdata, Query Mile and Report Total.