

451/1 COMPUTER STUDIES (2018)**KCSE Trial Exam****MARKING SCHEME**

1. Correctly entered data and workbook named well (12 marks)

End of term Exam Analysis						
2012 Exam						
	Name	Exam1	Exam 2	Exam 3	paper	Participation
1	Jane	64	70	73	85	75
2	Tony	70	77	88	95	90
3	Jenney	77	83	79	88	80
4	Richard	69	43	81	78	75
5	Rachael	91	90	86	95	88
6	David	44	26	54	78	80
7	Roger	77	85	86	85	88
8	Allen	83	86	92	85	88
9	Victor	97	80	82	85	68
10	Allan	69	69	50	85	75
11	Brad	95	89	89	95	85
12	James	91	84	92	85	80
13	Arthur	87	79	84	85	80
14	Robert	76	73	80	82	80
15	June	82	84	74	88	85
16	David	70	41	57	73	70

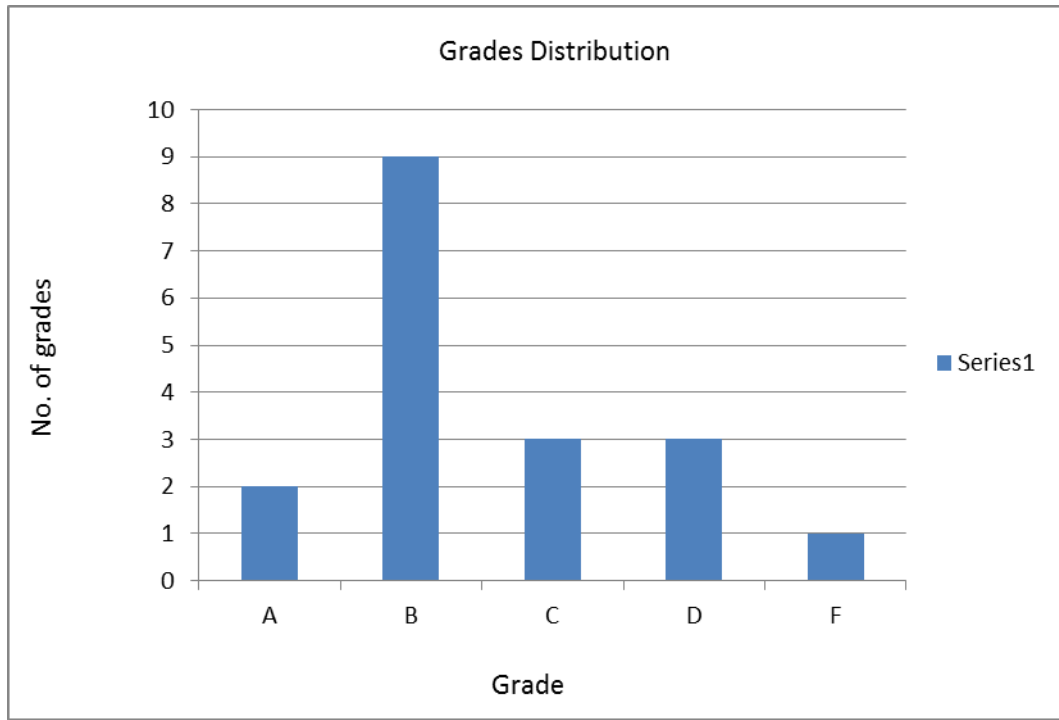
- (a) Names correctly entered (3mks)
- (b) Correctly saved worksheet and saved well. (2mks)
- (b) Correct calculation. (5mks)
- (c). Calculated class average for each exam. (3mks)
- (d) Correctly applied one decimal point. (2mks)
- (e) Ranked students based on average points (3mks)
- (f) Sort the students based on rank after average in ascending order (2mks)
- (g) Create a column after rank and name it Grade. Using IF function, grade the students based on the following criteria. (A=90-100; B=80-89; C=70-79; D=60-69; F=below 60) (6mks)

End of term Exam Analysis									
2012 Exam									
	Name	Exam1	Exam 2	Exam 3	paper	Participation	average	Rank	GRADE
13	Brad	95	89	89	95	85	91.0	1	A
5	Rachael	91	90	86	95	88	89.8	2	A
14	James	91	84	92	85	80	87.5	3	B
8	Allen	83	86	92	85	88	86.8	4	B
11	Victor	97	80	82	85	68	84.3	5	B
7	Roger	77	85	86	85	88	83.6	6	B
15	Arthure	87	79	84	85	80	83.3	7	B
2	Tony	70	77	88	95	90	82.0	8	B
9	thomas	82	75	81	87	94	82.0	9	B
17	June	82	84	74	88	85	81.7	10	B
3	Jenney	77	83	79	88	80	81.0	11	B
16	Robert	76	73	80	82	80	77.6	12	C
10	John	65	79	84	92	65	77.3	13	C
1	Jane	64	70	73	85	75	72.0	14	C
4	Richard	69	43	81	78	75	67.5	15	D
12	Allan	69	69	50	85	75	67.3	16	D
16	David	70	41	57	73	70	60.0	17	D
6	David	44	26	54	78	80	50.7	18	F

weight	0.25	0.25	0.25	0.15	0.1
Average	77.16667	72.94444	78.44444		
highest score	97	90	92		
lowest score	44	26	50		

(g) Below the average for each exam get the highest score and lowest score for exam 1, exam 2, and exam 3 (4mks)

(h) Correctly created chart showing the grade distribution for the final average (5mks)



(I) Printed GRADE, RANK and CHART

(3mks)

2) Correctly created database and saved.

(2mks)

(a) Well designed table

(4mks)

b) Correctly chosen primary key i.e. student id

(2mks)

(c) Correctly created validation rule and text.

(2mks)

(d) Correctly added field below surname

(2mks)

e. (i) correct created table in design view

(3mks)

(ii) Correct validation rule and validation text.

(3mks)

(f) Correct Re-ordering of the subject fields with the result fields.

(2mks)

g. (i) correctly created a student details form.

(5mks)

(ii) Correctly create a student's marks form

(5mks)

h. correct relationship

(3mks)

(i) Correctly replaced Surname Hamlet to Hammell

(2mks)

(j) Sorted the data in the Students' Details table in alphabetical order.

(2mks)

(h) Correctly created a query based on the Students Details table

(2mks)

(i) Correctly created high achievers query.

(4mks)

(j) Correctly created a report based on the High Achievers query.

(4mks)

(k) Correctly created Results report.

(5mks)

Printed the high achievers and results

(2mks)