

NAME:.....INDEX NO:.....
SCHOOL:.....CANDIDATE SIGN:.....
DATE.....

451/2
COMPUTER STUDIES
PAPER 2
(PRACTICAL)
JULY/ AUGUST- 2014

TIME: 2 ½ HOURS

KISII SOUTH DISTRICT JOINT EVALUATION TEST- 2014

Kenya Certificate of Secondary Education (K.C.S.E)

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Instructions to candidates.

- Indicate your name and index number at the top right hand corner of each printout.
- Write your name and index number on the CD provided.
- Write the name and version of the software used for each question attempted.
- Answer **all** questions.
- All questions carry equal marks.
- Passwords should not be used while saving.
- Make a print out of the answers on the answer sheet.
- Hand in all the print out and the CD.

*This paper consist of 4 printed pages.
Candidate should check the question paper to ascertain all pages are printed as indicated
And no questions are missing.*

1. The table below shows the admission numbers and names of five students and their scores in six subjects in a mock examination.

ADM. NO.	Name	English	Maths	Biology	Chemistry	Physics	History
2020	Victor Mutiso	77	68	75	35	58	80
2032	Zablon Onyango	44	77	80	42	60	73
2037	Pauline Nafula	68	59	91	39	59	75
2040	Naom Cherop	55	80	89	48	38	66
2044	Jameleek Kioko	69	62	83	43	44	70

- a) Enter the above data into a worksheet and save the file as ‘mock results’ (13mks)
- b) Using a formula, calculate the; (4mks)
- a) Total score for each students
- b) Mean score for each student
- c) Use a function to obtain the mean for each subject (3mks)
- d) A student is awarded a ‘pass’ if their mean score is 60% or more. Use a function to determine the number of students who are awarded ‘pass’ (2mks)
- e) Format the worksheet as follows
- Borders : single line
 - Subject heading : align 90°
 - Marge the cells above all the subjects headings so that the text ‘SUBJECT’ is above them.
 - Mean score : One decimal place (4mks)
- f) Copy the contents of the worksheet to a blank worksheet and insert a blank column after every subject.

Label the new columns as Eng B, math B, Bio B, Chem B, Phy B, and Hist B respectively. On the inserted columns, compute the grades using IF function based on the following criteria.

(10mks)

Mean score	Grade
score \geq 75	A
60 \leq score <75	B
50 \leq score < 60	C
45 \leq score <50	D
Score < 45	E

- g) Hide all the columns containing score values and save the worksheet as “Mock results 2” (2mks)
- i) Create a bar chart to compare students mean score and label the chart accordingly. (10mks)
- j) Print the two worksheets and the bar chart (4mks)

2. The data in the table was extracted from a survey data on employment.

Table 1: EMPLOYEE TABLE

Name	Year of birth	Employee ID NO.	Employer ID	Job category
DAISY	1980	13144	01	GK4
DAVID	1970	11100	04	GK3
DOREEN	1984	14010	02	GK1
DAVIN	1976	12110	05	GK1
ALLAN	1973	11410	03	GK2
KATE	1968	10570	04	GK3
ZEDDY	1990	11040	05	GK3
PIUS	1998	15978	03	GK2
ZION	1992	17192	02	GK4
BOB	1993	18965	05	GK4

Table 2: EMPLOYMENT TYPE

Job Category	Job Description
GK1	Casual
GK2	Temporary
GK3	Contract
GK4	Permanent

Table 3: EMPLOYER TABLE

EMPLOYER ID	EMPLOYER NAME
01	ONYANGO
02	WAMBUA
03	OSHIRO
04	KATANA
05	AWINJA

- a) i) Create a database named “STAFF” to store the above (14mks)
- ii) Create relationships between the tables (4 ½ mks)
- iii) Use forms to enter data into the tables (10 ½ mks)
- b) i) Generate a report to display the name year of birth, age and employer’s name for the employees who will be over 30years old by the year 2015 (10mks)
- ii) Compute the mean age of employees on the report you created in b(i) above. (2mks)
- c) i) Create a query to display the employees and their job description. Save the query as “STAFF TYPE” (3mks)
- ii) Create a pie chart based on the query in c(i) above to display the proportion of employees in various job description.
- Save the report as CHART

- d) Print
- i) Three tables
 - ii) Two reports
 - iii) Output of query results for STAFF TYPE.

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