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)*

451/2

COMPUTER STUDIES

PAPER 2

(PRACTICAL)

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TIME: 2 ½ HOURS

Instructions to candidates.

1. Indicate your name and index number at the top right hand corner of each printout.
2. Write your name and index number on the CD provided.
3. Write the name and version of the software used for each question attempted.
4. Answer **all** questions.
5. All questions carry equal marks.
6. Passwords should not be used while saving.
7. Make a print out of the answers on the answer sheet.
8. 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 | Jameleck 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

score75 A

60 score <75 B

50score < 60 C

45 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 jo 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.