**NAME………………………………………………………….. INDEX NO……………………………....**

**SCHOOL……………………………………………………….. CANDIDATES SIGNATURE………….**

 **DATE…………………….………………**

**451/2**

**COMPUTER STUDIES**

**PAPER 2**

**(PRACTICAL)**

**TIME: 2½ HOURS**

**MACHAKOS COUNTY KCSE TRIAL AND PRACTICE EXAM 2015**

***Kenya Certificate of Secondary Education***

**COMPUTER**

**PAPER 2**

**(PRACTICAL)**

**TIME: 2½ HOURS**

**Instructions to candidates:**

* This paper has **TWO** questions.
* Answer all the questions.
* Type your name and index number at the right-hand corner of each printout.
* Write your name and index number on the CD – ROM provided.
* Write the Name and version of software used in each question attempted in the answer sheet.
* Passwords **should not be used** while saving your work.
* Make a printout of the answers on the answer sheets provided.
* Arrange your print outs and stable them together.
* Hand in all the **printouts** and the CD – ROM provided.
* This paper consists of **4** printed pages.
* Candidates should check the question paper to ascertain that all pages are printed and no questions are missing

*A special Performance Improvement Project*

 *By His Excellency Dr. Alfred Mutua*

 *Sponsored by the County Government of Machakos*

1. The data in the tables below was extracted from MACHAKOS COUNTY SECONDARY SCHOOLS FOOTBALL management system.

 **Table 1: TEAMS TABLE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **School code** | **school Name**  | **Address** | **Tel No** | **Reg Fee** |
| 01 | Machakos sch | Box 0012 | 024542148 | 50000 |
|  02 | Kathiani school | Box 2454 | 025485267 | 35000 |
|  03 | Kagundo High | Box 458 | 025478756 | 47000 |
|  04 | Mavoko High | Box 635 | 032547855 | 24000 |
|  05 | Masii High | Box 2446 | 032458752 | 12000 |
|  06 | Matungulu High | Box 6589 | 015487564 | 14000 |
|  07 | Kinyui High | Box 1254 | 031204543 | 50000 |

 **Table 2: Fixtures table**

|  |  |
| --- | --- |
|  **Team ID** |  **Team Name** |
|  01 | Machakos sch |
|  02 | Kathiani School |
|  03 | Kangundo High |
|  04 | Mavoko High |
|  05 | Masii High |
|  06 | Matungulu High |
|  07 | Kinyui High |

 **Table 3: RESULTS TABLE**

|  |  |  |  |
| --- | --- | --- | --- |
|  **TeamID** | **Team Name** | **Goals For** | **Goals AGAINST** |
|  01 | Machakos Sch | 6 | 6 |
|  02 | Kathiani School | 5 | 2 |
|  03 | Kangundo High | 5 | 4 |
|  04 | Mavoko High | 2 | 5 |
|  05 | Masii High | 4 | 3 |
|  06 | Matungulu High | 1 | 1 |
|  07 | Kinyui High | 0 | 6 |

(a) i) Create a data base named “ MKS” to store data above (14 marks)

 ii) Create relationships between the tables (4½ marks)

 iii) Use form to enter data into the tables (10½ marks)

(b) i) Create a query to display the fixtures for the league (3 marks )

(c) Create a query and use it to generate a report for a league which displays Games played, won, Drawn, Lost, Goals Against, Goals difference and points taking note that a win earns a team 3 points, draw 1 point and a loss 0 points (15 marks )

(d) Print the:

 i) Three tables

 ii) Output for query results on fixtures (3 marks)

 iii) The league report

2. The MKS BANK OF Kenya (MBK) exchange rates on a certain day for foreign currencies against the Kenya shillings (Kshs) were as follows

|  |  |
| --- | --- |
|  Currency |  MBK Mean Rate ( Kshs) |
| 1 Us Dollar | 67.0222 |
| 1 Sterling pound | 137.7984 |
| 1 Euro | 96.6552 |
| 1 S.A Rand | 10.3100 |
| 1 Swedish Kroner | 10.4509 |

 John, Gilbert, Geoffrey, Weldon and Bernard trade in buying and selling of foreign currencies. On that day they bought the following foreign currencies from MBK.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  Name | US Dollars  | Sterling pounds | Euros | S.A Rands | Swedish Kroner |
| John | 400 | 200 | 340 | 1200 | 290 |
| Gilbert | 500 | 400 | 400 | 2000 | 3000 |
| Geoffrey | 200 | 600 | 300 | 4000 | 5000 |
| Weldon | 600 | 200 | 200 | 1000 | 3000 |
| Bernard | 400 | 200 | 600 | 2000 | 1000 |

 They then sold their foreigner currencies at the following rates.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  Name | US Dollars | Sterling Pounds | Euros | S.A Rands | Swedish Kroner |
| John | 70.5 | 139.0 | 96.7910 | 10.4213 | 10.6725 |
| Gilbert | 69.0 | 138.5 | 96.79 | 10.5712 | 10.2676 |
| Geoffrey | 70.o | 141.5 | 96.76 | 10.3974 | 10.7432 |
| Weldon | 69.55 | 139.0 | 96.80 | 10.6371 | 10.5942 |
| Bernard | 69.5 | 138.5 | 96.40 | 10.7218 | 10.6155 |

(a) Using a spreadsheet package, represent the above information in one worksheet and save it as MKS

 (13marks)

(b) Using formulae with absolute and relative cell references, determine the total profit made by each trader.

 (14 marks)

(c) Round off the profit for each trader to zero decimal places. (2 marks)

(d) Generate a form and use it to add details for Wesley with the following details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | US Dollars | Sterling Pounds | Euros | S.A Rands | Swedish Kroner |
| Wesley | 69.8 | 140.5 | 96.75 | 10.4563 | 10.4689 |

 (13marks)

(e) Use a function to determine the trader who got the highest profit (3marks)

(f) Format the first table as follows:

* Set the direction of the labels to 45 degrees (2marks)
* Centre vertically all the records (1mark)

 (g) Print the worksheet, the form (Print screen of it) and the graph (2 marks)