**November 2022 Examinations**

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

451/2

COMPUTER STUDIES

Paper 2

(PRACTICAL)

*Instructions to candidates*

1. Type your name and index number at the right hand corner of each print out
2. Write your name and index number on the CD-ROM provided
3. Answer all the questions
4. Passwords should not be used while saving your work
5. All answers should be saved in the CD-ROM provided
6. Make the print out of the answers on the answer sheets provided
7. Arrange your print out and stable them together
8. Hand in all the print outs and the CD-ROM provided
9. Candidates should check the question paper to ascertain that no question is missing.
10. The data in the tables below was extracted from KASSU football league management system.

**Table 1: TEAMS TABLE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SchoolCode** | **School Name** | **Address** | **Tel No** | **RegFee** |
| 01 | KASSU High | Box 0012 | 024542148 | 50000 |
| 02 | Sunshine School | Box 2454 | 025485267 | 35000 |
| 03 | Kabarak High | Box 458 | 025478756 | 47000 |
| 04 | Sacho High | Box 635 | 032547855 | 24000 |
| 05 | Nairobi High | Box 2446 | 032458754 | 12000 |
| 06 | Nakuru High | Box 6589 | 015487564 | 14000 |
| 07 | Baringo High | Box 1254 | 031204543 | 50000 |

**Table 2: FIXTURES TABLE**

|  |  |
| --- | --- |
| **TeamID** | **TeamName** |
| 01 | KASSU High |
| 02 | Sunshine School |
| 03 | Kabarak High |
| 04 | Sacho High |
| 05 | Nairobi High |
| 06 | Nakuru High |
| 07 | Baringo High |

**Table 3: RESULTS TABLE**

|  |  |  |  |
| --- | --- | --- | --- |
| **TeamID** | **TeamName** | **Goals For** | **Goals Against** |
| 01 | KASSU High | 6 | 6 |
| 02 | Sunshine School | 5 | 2 |
| 03 | Kabarak High | 5 | 4 |
| 04 | Sacho High | 2 | 5 |
| 05 | Nairobi High | 4 | 3 |
| 06 | Nakuru High | 1 | 1 |
| 07 | Baringo High | 0 | 6 |

1. (i) Create a database named “KASSU” to store data above (14 Marks)

(ii) Create relationships between the tables (4½Marks)

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

1. (i) Create a query to display the fixtures for the league (3 Marks)
2. Create a query and use it to generate a report for a league which displays Games played, Won, Drawn, Lost, Goals For, 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)
3. Print the:
4. Three tables
5. Output for query results on Fixtures
6. The league report (3Marks)
7. The KASSU bank of Kenya (KBK) exchange rates on a certain day for foreign currenciesagainst the Kenya shillings (Kshs) were as follows

|  |  |
| --- | --- |
| Currency | KBK Mean Rate (Kshs) |
| 1 US Dollar | 67.0222 |
| 1 sterling pound | 137.7984 |
| 1 Euro | 96.6552 |
| 1 S.A Rand | 10.3100 |
| 1 Sweddish Kroner | 10.4509 |

John, Gilbert, Geofrey, Weldon and Bernard trade in buying and selling of foreign

currencies. On that day they bought the following foreign currencies from KBK.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | U.S Dollars | SterlingPounds | Euros | S.A Rands | SwedishKroner |
| John  | 400  | 200 | 340 | 1200 | 290 |
| Gilbert | 500  | 400 | 400 | 2000 | 3000 |
| Geofrey | 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 | U.S Dollars | SterlingPounds | Euros | S.A Rands | SwedishKroner |
| John  | 70.5  | 139.0 | 96.7910 | 10.4213 | 10.6725 |
| Gilbert | 69.0  | 138.5 | 96.79 | 10.5712 | 10.2676 |
| Geofrey | 70.0  | 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 saveit as KASSU (13mks)

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

by each trader. (14mks)

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | U.S Dollars | SterlingPounds | Euros | S.A Rands | SwedishKroner |
| Wesley | 69.8 | 140.5 | 96.75 | 10.4563 | 10.4689 |

 (13mks)

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

(f) Format the first table as follows:

• Set the direction of the labels to 45degrees (2mks)

• Centre vertically all the records (1mk)

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