**451/2**

**COMPUTER STUDIES**

**Paper 2**

**(PRACTICAL)**

**JUNE 2024**

**2 ½ hours**

**KASSU JOINT EVALUATION EXAMINATION**

COMPUTER STUDIES

**Paper 2**

2 ½ hours

**Instruction to candidates**

1. *Type your name and index number at the top right hand corner of each print out*
2. *Sign and write the date of the examination below the name and the index number on each printout*
3. *Write your name and index number on the compact disks*
4. *Write the name and the version of the software used for each question attempted in the answer sheet*
5. *Passwords should not be used for each question attempted in the answer sheet*
6. *Answer all the questions*
7. *All questions carry equal marks*
8. *All answers must be saved in your compact disks*
9. *Make printout of the answers on the answer sheets provided*
10. *Hand in all the printouts and compact disks*
11. *Candidates should check the question paper to ascertain that all pages are printed as indicated and no questions are missing*

**Question 1**

Mobility Tax service limited is a company that deals with taxis service within KASSU city. Drivers are paid commission based on number of trips and kilometres covered. The company manager has requested you to assist develop a database to store the details of their drivers.

1. Open a database program and create a database named **Mobility***.* [1mark]
2. Create two tables named **CarDetails** and **DriverDetails** from the following details. [12marks]

|  |  |
| --- | --- |
| **Field Name** | **Data Type and Properties** |
| Trips | Number (size 2) |
| Reg\_No | Text (size12) |
| Car\_Type | Text (size 25) |
| Emp\_No | Text (size 12) |
| Phone | Number (Format the number to start with 0) |
| Distance | Number |
| Charges | Currency (format=Kshs, decimal Places=2) |
| Name | Text (size 25) |
| Male | Yes/No |

1. Create appropriate relationships among the tables and enforce referential integrity. [3marks]
2. Create a form for CarDetails table and add a Subform for the DriverDetails table. save the form as **DataEntry** [8marks]
3. Enter the above data using the forms created in (d) above [10marks]

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Trips**  **(per day)** | **Reg\_No** | **Car\_Type** | **Emp\_No** | **Phone** | **Distance (km)** | **Charges (Per km)** | **Name** | **Male** |
| 15 | KCY 128K | Sedan | M-001 | 0722563980 | 25 | Kshs 120 | Carlos Didi | Yes |
| 11 | KDA 122G | S. wagon | M-002 | 0112135369 | 26 | Kshs 135 | Virginia liams | No |
| 15 | KCQ 611M | Van | M-003 | 0117236895 | 30 | Kshs 150 | Eunice Glen | No |
| 16 | KDB 231H | USV | M-004 | 0723568974 | 25 | Kshs 150 | David Kibara | Yes |
| 13 | KDC 158C | Electric | M-005 | 0893124569 | 15 | Kshs 100 | Emily Ngetich | No |
| 12 | KDG 154G | Hybrid | M-006 | 0714895647 | 36 | Kshs 120 | Benard koech | Yes |
| 10 | KDH 317J | S. wagon | M-008 | 0721458697 | 23 | Kshs 135 | Eliud Mwango | Yes |
| 13 | KCZ 692Z | Van | M-009 | 0110569832 | 25 | Kshs 150 | Claire Simon | No |
| 13 | KDM 362T | USV | M-010 | 0123698754 | 23 | Kshs 150 | Casey Mwanzo | Yes |
| 14 | KDA 212K | Hybrid | M-012 | 0115698725 | 36 | Kshs 120 | Ivy Richards | No |

1. Create a query to display *EmpNo*, *Name*, Car\_*Type* and *Male* for Female drivers whos names contain letter “i”. Save the query as Qry\_Female. [3marks]
2. Create query to calculate commission earned by each driver given that a driver earns 20% of the total amount charged by a vehicle. Save query as Qry\_Comm.

[5marks]

1. Create a report based on Car\_Type showing total distance covered. Save report as CarType [4marks]
2. Print:

i) CarDetails and DriverDetails tables [2marks]

ii) Qry\_Comm query [1mark]

iii) CarType report [1mark]

**Question 2**

Design a publication to appear as indicated above using the following instructions.

1. Launch the DTP package and set the page designs as; (2 marks)
   * 1. Layout landscape
     2. Measurements to centimeters
     3. Margins 2cm on all sides.
2. Save the publication as **kassucity**. (1 marks)
3. ***All text font styles are Calibri, Font size 20 unless otherwise stated (29 marks)***
4. Frame border (4 marks)
   * 1. Size height 17cm by width 24cm
     2. Fill colour light green, tint 50%
     3. Line/stroke light blue
     4. Weight 3pt
5. The main heading to have the following styles; (4 marks)
   * 1. Text centered
     2. Font Bodoni MT black
     3. Font size 36
     4. Background 2cm by 20 cm
6. Second heading (2 marks)
   * 1. Font style bookman old style
     2. Font size 26
7. Side heading (2 marks)
   * 1. Background 1cm by 15cm
     2. Font style Calibri
8. Third heading (1 mark)
   * 1. Font style Arial black
9. Star (1 mark)
   * 1. rotation 320 degrees
10. Packages (3 marks)
    * 1. rotation 320 degrees
      2. Font style Arial narrow
      3. Stroke weight 1pt
11. Contact (1 mark)
    * 1. Font style Arial black
12. Print the publication (1 mark)

**(50 marks)**