# 451/2

**COMPUTER STUDIES**

**PAPER 2**

**(PRACTICAL)**

**TIME: 2½ HOURS**

**TRIAL ONE EVALUATION TEST 2019**

**COMPUTER STUDIES**

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**(PRACTICAL)**

**TIME: 2½ HOURS**

**INSTRUCTIONS TO CANDIDATES.**

* *Type your* ***name*** *and* ***index*** *number at the top right hand corner of each printout*
* *Sign and write the date of the examination below the name and index number on each printout*
* *Write your name and index number on the compact disks*
* *Write the name and version of the software used for each question attempted in the answer sheet.*
* *Passwords* ***should not*** *be used while saving in the compact disks.*
* *Answer all the* ***questions***
* *All questions carry equal marks*
* *All answers* ***must*** *be saved in your compact disks*
* *Make a printout of the answers on the answer sheets provided.*
* *Hand in* ***all*** *the printouts and the compact disks.*

 **Question one**

 A school keeps its students details in a computer database. The information below contains details obtained from two tables of database. Study the tables and answer the following questions.

 **DETAILS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NAMES | KCPE MARKS | ADMNO | Year Of KCPE | DORMITORY |
| Tom Jose | 250 | 2030 | 2011 | Ruvuma |
| Okoth Rao | 356 | 2031 | 2012 | Zaire |
| Ken Otieno | 412 | 2032 | 2012 | Tana |
| Dan Muoso | 205 | 2033 | 2011 | Ruvuma |
| Adan Hassan | 400 | 2034 | 2010 | Zaire |
| Ahmed Kubasu | 185 | 2035 | 2011 | Tana |
| Mutai Jemo | 289 | 2036 | 2012 | Ruvuma |
| Mutua Sarafi | 300 | 2037 | 2012 | Zaire |
| Muesh Linda | 426 | 2038 | 2011 | Tana |
| Viena Oscar | 405 | 2039 | 2010 | Zaire |
| Violet Kadija | 336 | 2040 | 2012 | Tana |

|  |
| --- |
| PERFORMANCE |
| ADMNO | ENGLISH | MATHS | KISWAHILI | COMPUTER |
| 2030 | 59 | 48 | 56 | 83 |
| 2031 | 56 | 36 | 48 | 76 |
| 2032 | 29 | 25 | 59 | 80 |
| 2033 | 88 | 79 | 65 | 67 |
| 2034 | 70 | 29 | 62 | 91 |
| 2035 | 39 | 46 | 24 | 68 |
| 2036 | 82 | 78 | 18 | 84 |
| 2037 | 54 | 75 | 19 | 46 |
| 2038 | 69 | 54 | 46 | 87 |
| 2039 | 53 | 96 | 75 | 24 |
| 2040 | 74 | 20 | 49 | 50 |

1. Create a new database called STUDENTS. (2marks)
2. Design two tables: DETAILS and PERFORMANCE with the following **properties** in their fields:

 Validate the ADMNO entry to exactly four characters, three characters for KCPE MARKS and DORMITORY names each to start with capital letter. (4marks)

c) Using appropriate **primary and foreign keys** create a relationship between the two tables and enforce referential integrity. (4 marks)

d) Create and use forms to enter data into tables. (12 marks)

e) Create a query that would extract students whose name starts with letter “A” and save it as “Names” (4marks)

f) Create a query that would display *ADMNO, NAME, ENGLISH, MATHS,KISWAHILI and COMPUTER* and calculate the totals of the four subjects, sort the totals in descending order. Save it as “**MARKS**” (4marks)

g) Create a query that would display **only** those students who sat their KCPE in **2012** and reside in **Tana dormitory**, save the query as **“Tanas”** (3marks)

h) Using the performance table, compute the *average* for **ENGLISH** field, *standard deviation* for **MATHS** field and *Variance* for **KISWAHIL**I field to be displayed on the same table. (3marks)

(i) Create a form to display all fields of details table with the following: (7marks)

* Layout:-tabular
* Style:-opulent
* Title:-**Dform**
* Add two ***form controls***to “print” and “close” the form.

j) Create a report with the title “**Excellent”** using the query “**MARKS**” above. (2marks)

k) Print:

1. **Dform** in portrait while the query “**MARKS**” in landscape (2marks)
2. Performance table (2marks)
3. Report excellent (1mark)

 **Question 2**

 Design a publication to appear exactly as shown in the next page using the following instructions.

 (20marks)

a) (i) Launch the DPT package and set measurements to centimeters and the margins 2cm all round

 (ii) Paper size A4 portrait.

b) Save your work as “**Modern computers**” (2marks)

c) The heading “*Introduction to computers The Basics”* to have the following styles. (5marks)

* Centered across the page
* Font face
* Font size: 18
* Background Texture: Granite
* Format the drop cap in the first line as it appears

d) The heading “Hardware” in the publication to have the styles. (5marks)

* Font face: Arial Narrow
* Font size: 16
* Text weight: Bold
* Character spacing: 180%
* Alignment: Centered

e) The text under the heading “Hardware” to be in two columns and having the following styles. (3marks)

* Font size: 12
* **Dashed outline** on the first column
* First character of the **first column** to be dropped by 4 **lines** as shown.

f) Insert the banner bearing the text **auxiliary** as it appears. (3marks)

g) - Enter the text below the banner in three columns as shown (4marks)

 - Insert lines between the three columns (3marks)

 - Type and format the text below the three columns exactly as it appears (3marks)

h) Print the publication. (2marks)

