**NAME: ........................................................... ADM NO.: .............................**

**COMPUTER STUDIES PAPER 2(451/2)**

**PRACTICAL**

**Time:**  2 ½ 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 Admission 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 KISWAHILI 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)**

**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)**

