 451/1

 COMPUTER STUDIES

 FORM FOUR

 PAPER 2

 PRACTICAL

 **PRE-MOCK 1 2021**

TIME: 21/2 HOURS

JULY/AUGUST 2021

**INSTRUCTIONS TO CANDIDATES**

* Type your name and admission number at the top right hand corner of each printout.
* 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 diskettes.
* Answer all questions
* All questions carry equal marks
* All answers must be saved in your diskette. Make printouts of the answers on the answer sheets provided.
* Hand in all the printout and the diskette
* Candidates may be penalized for not following instruction given in this pager
* Arrange your printout and staple them together.

**QUESTION 1**

1. Table 1, table 2 and table 3 are extracts of records, kept in a carpentry shop. Use the information to answer the questions that follow;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CAPENTER \_ID** | **CAPENTER NAME** |  | **CUSTOMER \_ID** | **CUSTOMER NAME**  |
| CAP\_001 | JAMES |  | CUST\_01 | MARY K. |
| CAP\_002 | JOHN |  | CUST\_02 | DIANA K. |
| CAP\_003 | ALEX |  | CUST\_03 | ALEX N. |
| CAP\_004 | ISAAC |  | CUST\_04 | MARTHA K. |
| CAP\_005 | MAURICE |  | CUST\_05 | SARAH W. |
|  |  |  | CUST\_06 | JOHNSON G. |

**Carpenter Table Customer Table**

**Order Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CARPENTER \_ID**  | **CUSTOMER \_ID** | **ORDER \_NO** | **ITEM ORDERED**  | **MONTH** | **AMOUNT**  |
| CAP\_001 | CUST \_01 | 1721 | Bench  | January  | 18,000 |
| CAP\_002 | CUST \_02 | 1722 | Coffee table | January  | 25,000 |
| CAP\_003 | CUST \_03 | 1723 | Office table | January  | 10,000 |
| CAP\_004 | CUST \_04 | 1724 | Single bed | January  | 18,000 |
| CAP\_005 | CUST \_05 | 1725 | Arm chair | January  | 60,000 |
| CAP\_001 | CUST \_01 | 1726 | Double bed | February  | 75,000 |
| CAP\_002 | CUST \_04 | 1727 | Dining table | February  | 85,000 |
| CAP\_004 | CUST \_03 | 1728 | Arm chair | February  | 60,000 |
| CAP\_001 | CUST \_02 | 1729 | Double decker bed | February  | 72,000 |
| CAP\_002 | CUST \_06 | 1730 | Kitchen table | February  | 82,000 |
| CAP\_004 | CUST \_02 | 1731 | Bench | March | 18,000 |
| CAP\_003 | CUST \_06 | 1732 | bench | march | 18,000 |

1. i) Using database application package, create a database file named;

**CARPENTERINFORMATION** (1mk)

ii) Create three tables named **Carpenter Table, Customer Table** and **Order Table that will be used to store the above data.** (10mks)

iii) Set the primary key for the tables (2mks)

iv) Create relationship among the tables (2mks)

1. i) Create a data entry form for each table (3mks)

ii) Enter the data in **Carpenter Table, Customer Table and Order Table** respectively

 (11mks)

1. i) Create a query named **individual income** to display the amount received from each customer every month. (4mks)

ii) Create a database object that computers Total income for each month. Save the query as **Totalincomenomnthly.**  (6mks)

1. Create a query named **loyalty** to compute the total number of orders made by each customer over the three months. (3mks)
2. Create a report to display order details, save the report as Order report (4mks)
3. Print the three tables and the report (4mks)

**QUESTION 2**

Use a spreadsheet to manipulate data in the table below.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Adm No** | **Name** | **Stream** | **Comp** | **Art** | **Bus** | **Eng** | **Mat** | **Student mean** | **Rank** |
| C001 | Barasa  | H | 56 | 45 | 36 | 56 | 26 |  |  |
| C002 | Wangila  | K | 58 | 57 | 90 | 54 | 23 |  |  |
| C003 | Wafula | H | 48 | 56 | 54 | 45 | 25 |  |  |
| C004 | Wanjala  | K | 78 | 95 | 78 | 46 | 24 |  |  |
| C005 | Kerubo | H | 49 | 86 | 68 | 35 | 52 |  |  |
| C006 | Akinyi | K | 56 | 45 | 25 | 63 | 54 |  |  |
| C007 | Odhiambo | H | 75 | 78 | 45 | 65 | 56 |  |  |
| C008 | Okunyuku | K | 89 | 69 | 65 | 53 | 51 |  |  |
| C009 | Nekesa  | H | 69 | 58 | 45 | 54 | 52 |  |  |
| C010 | Simiyu  | H | 85 | 46 | 78 | 52 | 53 |  |  |
|  | TOTAL |  |  |  |  |  |  |  |  |
|  | TOTAL | FOR H |  |  |  |  |  |  |  |
|  | TOTAL  | FOR K |  |  |  |  |  |  |  |

1. Enter the data in all bordered worksheet and auto fit all column. Save the workbook as

**mark 1**  (15mks)

1. Find the total marks for each subject (3mks)
2. Find total for each subject per stream using a function (5mks)
3. Find mean mark for each student using a function (5mks)
4. Rank mean student in descending order using the mean (5mks)
5. Create a well labeled column chart on a different sheet to show the mean mark of every student. Save the workbook as **mark 2.** (7mks)
6. Using **mark1,** use subtotals to find the average mark for each subject per stream. Save the workbook as **mark 3** (7mks)
7. Print **mark 1,mark 2** and the **chart**