Name………………………………… …………… index No………..……………………………………………………………………

**Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SET 2**

**FORM 4**

**Kenya certificate of secondary education (K.C.S.E)**

**COMPUTER STUDIES**

**Paper 2**

**PRACTICAL EXAMINATION**

**21/2 hours**

##### INSTRUCTIONS TO CANDIDATES

##### Ensure you have all questions printed on the question paper

1. Answer BOTH questions
2. Both questions carry equal marks.[ 50 marks each ]
3. Type your name and index number at the right corner of each printed paper
4. Write the name and version of the software used for each question attempted in this question paper
5. All answers must be saved on the storage device (CD) provided.
6. Make a printout of the answers on the answer sheet s provided
7. Hand in all the printout and your work on the storage device
8. The information given below is on products, suppliers and orders for a departmental store.
* Table 1(products table) contains four fields representing product ID, the name of the product, the retail price of a unit product and the number of units of the product in stock respectively. The unique identifier of a product is its **“product ID”**
* Table 2(suppliers table) contains five fields representing supplier ID, the name of the supplier, the supplier’s contact address, town and the telephone number respectively. The unique identifier of a supplier is the **“supplier ID.**
* Table 3 (orders table) contains seven fields representing order ID, supplier ID, the wholesale price of a unit of the product ordered form the supplier, the number of units of the product, the date the product was ordered from the supplier, the number of units of the product, the date the product was ordered and the date the ordered product was received respectively. The unique identifier of a product is its **order ID**.

**Table 1 (Products table)**

|  |  |  |  |
| --- | --- | --- | --- |
| 12345678910 | Kimbo 1kgCowboy 1kgBatteries AAASalt 1kgSprite 300mlDasani 500mlBaking flour 2kgBatteries DLayers mash 70kgOmo 200g | 10012050252030896010, 5035 | 30018020045876589325421 |

**Table 2 (Suppliers table)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 100110021003100410051006 | EvereadyUnileverBidcoCoca-ColaUnga LtdKay salt | 5483923613345456215242864365 | KitaleThikaNairobiNairobiNakuruMombasa | 7777725678234567145678126314332233 |

**Table 3(Orders table)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1000110002100041000510006100081001010013 | 15248765 | 10021003100210021006100510031002 | 2316251824562016 | 2040400455010020100 | 12/04/0711/11/0608/08/0604/04/0712/12/0602/02/0614/03/0704/05/07 | 13/04/0723/09/0606/05/07 |

1. Use the information to create a database named A: FINAL DB and enter the data in tables 1, 2 and 3. **(30 marks)**
2. **(i)** Create the relationships between the tables. **(4 marks)**

**(ii)** Create a query to show the name of each product ordered the retail price, the number of units ordered and the wholesale price. The query should contain products whose retail price is below Ksh.50. save as CHEAP **(7 marks)**

1. Create a form to allow the entering of the product details and add an appropriate form title. Save as product form. **(5 marks)**
2. Print the three tables and the query. **(4 marks)**
3. Faida distributors sell its products using ten sales representatives who are deployed at various regions. Each sales representative presents weekly sales to the sales manager. Four values are submitted each month as shown in table 4 below. (Values are in Ksh)

**Table 4**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 12345678910 | O. OukoJ. WariaheB. AchiengZ. KazunguR. WambuaS. MusuvaN. WanjikuF. ChepkoechG. JumaP. Kamau | 12345344703300015430334121341514520252403042035520 | 23405245002676017665378952933428455342852040032255 | 17200194653075012992402172078030200257502460035400 | 19450202001922515789224332290016700256253020031500 |

Each sales representative is paid a monthly commission depending on performance. Sales in the range of Ksh 0-65,000 attract a commission of 5%. Any additional sales attract a commission of 12%.

1. Using a spreadsheet package, enter the information given in table 4 into a worksheet. **(10 marks)**
2. Give the worksheet:
3. An appropriate title **(3 marks)**
4. Appropriate column headings  **(2 marks)**
5. Using formulae, determine the:
6. Total sales for each sales representative **(3 marks)**
7. Company total sales for the month **(2 marks)**
8. Use functions to determine the:
9. Commission for each sales representative **(10 marks)**
10. Total commission to be paid each month  **(1 mark)**
11. **(i)** Format the figures in the worksheet to two decimal places and add 100 comma separators. **(1 mark)**

**(ii)** Bold and centre the title across the columns containing the data.  **(2 marks)**

1. Apply a double outline border on the data. **(2 marks)**
2. Create a labeled bar graph for the weekly sales of the first four sales representatives on a separate worksheet. Save the file as A: Faida 1**. (9 marks)**
3. Sort the sales representatives in alphabetical order and save the file as A: Faida 2. **(2 marks)**
4. Print A: Faida 1, A: Faida 2 and the bar graph. **(3 marks)**