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)**

|  |  |  |  |
| --- | --- | --- | --- |
| 1  2  3  4  5  6  7  8  9  10 | Kimbo 1kg  Cowboy 1kg  Batteries AAA  Salt 1kg  Sprite 300ml  Dasani 500ml  Baking flour 2kg  Batteries D  Layers mash 70kg  Omo 200g | 100  120  50  25  20  30  89  60  10, 50  35 | 300  180  200  45  87  65  89  32  54  21 |

**Table 2 (Suppliers table)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1001  1002  1003  1004  1005  1006 | Eveready  Unilever  Bidco  Coca-Cola  Unga Ltd  Kay salt | 54839  2361  3345  45621  52428  64365 | Kitale  Thika  Nairobi  Nairobi  Nakuru  Mombasa | 77777  256782  345671  456781  26314  332233 |

**Table 3(Orders table)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 10001  10002  10004  10005  10006  10008  10010  10013 | 1  5  2  4  8  7  6  5 | 1002  1003  1002  1002  1006  1005  1003  1002 | 23  16  25  18  24  56  20  16 | 20  40  400  45  50  100  20  100 | 12/04/07  11/11/06  08/08/06  04/04/07  12/12/06  02/02/06  14/03/07  04/05/07 | 13/04/07  23/09/06  06/05/07 |

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**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1  2  3  4  5  6  7  8  9  10 | O. Ouko  J. Wariahe  B. Achieng  Z. Kazungu  R. Wambua  S. Musuva  N. Wanjiku  F. Chepkoech  G. Juma  P. Kamau | 12345  34470  33000  15430  33412  13415  14520  25240  30420  35520 | 23405  24500  26760  17665  37895  29334  28455  34285  20400  32255 | 17200  19465  30750  12992  40217  20780  30200  25750  24600  35400 | 19450  20200  19225  15789  22433  22900  16700  25625  30200  31500 |

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)**