1　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 of the 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 telephone number respectively. The unique identifier of a supplier is the **"supplier ID"**.

- Table 3 (orders table) contains seven fields representing order ID, products ID, supplier ID, the wholesale price of a unit of the product 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	Kimbo 1kg	100	300
2	Cowboy 1kg	120	180
3	Batteries AAA	50	200
4	Salt 1kg	25	45
5	Sprite 300ml	20	87
6	Dasani 500ml	30	65
7	Baking flour 2kg	89	89
8	Batteries D	60	32
9	Layersmash 70 kg	1,050	54
10	Omo 200g	35	21

Table 2 (Suppliers table)

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

Table 3 (Orders table)

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

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

(b) (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 Kshs.50.
Save as CHEAP. (7 marks)

(c) Create a form to allow the entering of the product details and add an appropriate form title. Save as product form. (5 marks)

(d) Print the three tables and the query. (4 marks)

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

(a)   Using a spread sheet package, enter the information given in table 4 into a worksheet.   (10 marks)

(b)   Give the worksheet:

    (i)   an appropriate title;   (2 marks)
    (ii)   appropriate column headings.   (3 marks)

(c)   Using formulae, determine the:

    (i)   total sales for each sales representative;   (3 marks)
    (ii)   company's total sales for the month.   (2 marks)

(d)   Use functions to determine the:

    (i)   commission for each sales representative;   (10 marks)
    (ii)   total commission to be paid each month.   (1 mark)

(e)   (i)   Format the figures in the worksheet to two decimal places and add 1000 comma separators.   (1 mark)

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

    (iii)   Apply a double outline border on the data.   (2 marks)

(f)   Create a labelled 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)

(g)   Sort the sales representatives in alphabetical order and save the file as A: Faida 2.   (2 marks)

(h)   Print A: Faida 1, A: Faida 2 and the bar graph.   (3 marks)