KAPSABET HIGH SCHOOL 451/2 - COMPUTER STUDIES - Paper 2



МОСК 2023



..CLASS:

NAME	ADM NO
NAME	ADM NO

SIGNATURE:.....

451/2
COMPUTER STUDIES
Paper 2
(PRACTICAL)
2 ¹ / ₂ hours

Kenya Certificate of Secondary Education

Instructions to Candidates

- 1. Type your name and index number at the top right hand corner of each printout.
- 2. Sign and write the date of the examination below the name and index number on each printout.
- 3. Write your name and index number on the compact disks.
- 4. Write the name and version of the software used for each question attempted in the answer sheet.
- 5. Passwords should not be used while saving in the compact disks.
- 6. Answer all the questions.
- 7. All questions carry equal marks.
- 8. All answers must be saved in your compact disks.
- 9. Make a printout of the answers on the answer sheets provided.
- **10.** Hand in all the printouts and the compact disks.
- **11.** This paper consists of 4 printed pages.
- 12. Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.

(a) (i) Using a database management system, create a database file named ANTIGUA_ENT_LTD to store the data below.
(1 mark)

CommodityTable

Commodity_ID	Commodity_Name	Retail_Cost
C10	Apple Vinegar Super	400
C20	Assorted Sandwich	300
C30	Sweetener Max	130
C40	Soda 1L	120
C50	UPS APC 2	5000
C60	Persil Detergent	130
C70	Minute maid	120
C80	Pizza XL	1000
C90	Sacho Springs water 5L	650
C100	UPS APC 1	3000

SuppliersTable

Supplier_ID	Supplier_Name	Town
S-11	Antigua Foods	Nakuru
S-12	Prime Fast Food	Nairobi
S-13	Gilanis Mart	Nakuru
S-14	Power Dynamics Ltd	Eldoret
S-15	Panda Energy	Nakuru
S-16	SAHICO	Kabarnet
S-17	Rio Beverages	Nakuru

X

OrderTable

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Order_ID	Commodity_ID	Supplier_ID	Order_Date
101	C10	S-11	12/04/19
102	C20	S-12	22/04/19
103	C30	S-11	12/04/19
104	C40	S-11	02/05/19
105	C50	S-14	12/04/19
106	C60	S-16	22/08/18
107	C70	S-17	19/08/18
108	C80	S-12	12/04/18
109	C90	S-13	11/05/18
110	C100	S-15	15/04/18

(ii) Create tables named: **Commodity_Table, Suppliers_Table and Order_Table** in the database created in (a) to store the information above assigning appropriate data types for each field. (14 marks)

(iii) Identify a field to be assigned as primary key for each table.

(iv) Create relationships among the tables and enforce referential integrity.

(3 marks)

Commodity_ID	No Of Units
C30	50
C10	20
C60	89
C40	18
C50	10
C20	16
C70	35
C80	5
C90	21
C100	17

(c) Create a query named **RETAILCOST** to display Commodity name, retail price, number of units, suppliers' name and calculate the total retail price for each Commodity. (4 marks)

- (d) Create a query named CUSTOM_QR to display name of each Commodity, retail price and number of units ordered. The query should contain Commodities whose suppliers name start with letter "P" and Total Retail Price is between Ksh.4000 and less than Ksh.50,000. (5 marks)
- (e) Create a report named SUPPLIERS_RPT to display Commodity name, suppliers' name, total retail price and date of order. (4 marks)
 - Group records per suppliers' town
 - Title the report as "ANTIGUA SUPPLIERS DETAILS"
 - Show the Total Retail Prices per supplier.
- (f) Create a report named **ORDERS_2019** to display Commodity name, retail price, suppliers' name, town and

items ordered in the year 2018 only. Show the number of suppliers.

- (g) Create a pie chart to display Total Retail Prices and their respective Commodities.
- (h) Create a form named **COMMODITIES_2018** used to enter data in the database to appear as shown below

(5 marks)

0	ANTIGUA LTD	
CommodityName	RetailPrice	
No. of Units	SuppliersName	
Town	OrderDate	

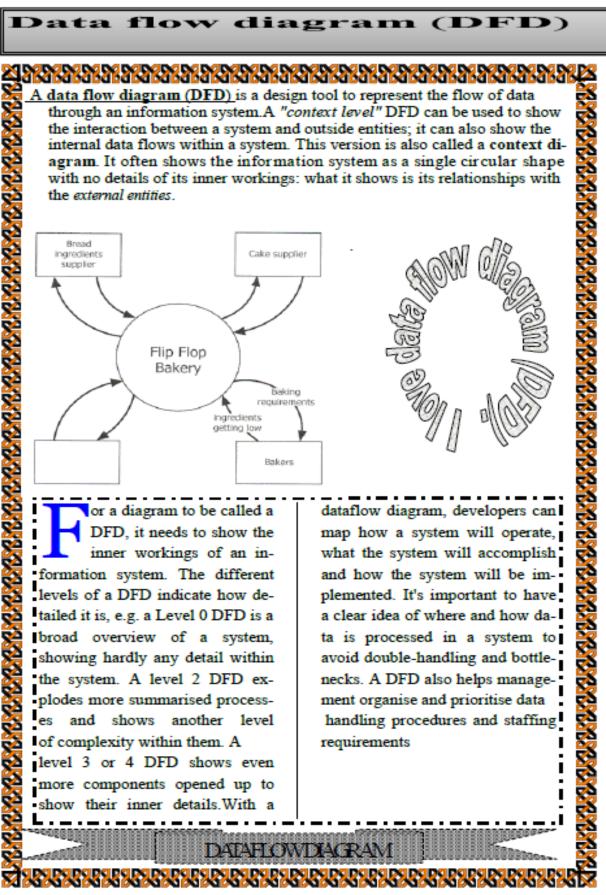
- (i) Print the following
 - Tables: CommodityTable
 - Queries: RETAIL_COST and CUSTOM_QR
 - **Reports:** SUPPLIERS _RPT

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 $(3\frac{1}{2} marks)$ (2 marks)

Question 2

a) Launch a Desktop publishing software and set the measurements to centimeters, margins 2cm all round and paper size A4 potrait.
(1¹/₂ marks)



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b) Design the publication above (in page 4) as it appears and save it as MOKASA_2. (30 marks)

- c) Format the Title "Data Flow Diagram (DFD)" as follows:
 - (i)
- Character spacing: 300%
- Font style: Times New Roman
- Font size: 13.5

(ii) Modify the shape containing the title as follows:

• Background : Gradient with 17% transparency, Shading style Horizontal

(6 marks)

(2 marks)

 $(\frac{1}{2} \text{ mark})$

(2 marks)

- **Border line** : Double
- d) Apply a first line indent to the first paragraph of the document.
- e) Proofread your publication.
- f) Insert your full index number as a watermark of your publication. (2 marks)
- g) Insert your full name as the header, Class and admission number as the footer of your publication
- h) Insert page number at the right bottom margin of your page.(2 marks)(2 marks)
- i) Insert the Date and time created for this document after the first paragraph. (2 marks)
- j) Print your publication