THE ELITES JET

451/2 **COMPUTER STUDIES** **Paper 2**

(PRACTICALS)

PRE-MOCK

March 2025 – Time: 2½ hours

Name …………………………….…………… Adm No.………..........…Class………

School …………….………………….……………….…Signature……………...……

Instructions to candidates

    a) *Type your name, index number at the top right hand corner of each print out.*

    b) *Write your name and Index number on the CD.*

    c) *This paper consists of two question 1 and 2.*

    d) *Answer both questions*

    e) *All answers must be saved in the CD*

    f) *Hand in all your printouts and CD*

FOR OFFICIAL USE ONLY

QUESTION	TOTAL MARKS	CANDIDATE'S SCORE
1	50	
2	50	
TOTAL		

Question One

a) Create a worksheet to store the data given in the below and save it as Metro　　(5 marks)

MASALA METROLOGICAL STATION

MONTHLY TEMPERATURE

YEAR	JAN	FEB	MAR	APR	MAY	JUN
2001	38.5	40	38	35	36	37
2002	25	40	28	36.9	39	35
2003	37.5	40	36	25	35	34.9
2004	50	40.1	37.2	35.6	34.8	36.6
2005	35.7	38	38.5	37.4	32.9	39.7
2006	45	39.5	56	35	33.8	37
2007	40.1	40	37	34	35	37
2008	38.9	34.4	39	37	39.1	38
2009	40	36	45	37.3	37.6	34

i) Format all the numeric values to 3 decimal place　　(2 marks)

ii) Validate the cell containing temperatures to accepts values between 0 and 100　　(3 marks)

b) Using appropriate formula, calculate

i) The yearly average temperature for each year　　(2 marks)

ii) Average monthly temperature for each month　　(2 marks)

iii) Draw a bar chart showing the year and the average temperature, place the chart on its own sheet and show the percentage　　(6 marks)

c) Use the IF function to declare the temperature remark as follows　　(6 marks)

i) "Hot" if monthly average temperature is greater than 38

ii) "Moderate" if monthly average temperature is less than 35

iii) "Cold" if monthly average temperature is less than 35

d) Use appropriate function to count the number of month which are　　(3 marks)
(i) Hot
ii) Moderate
iii) Cold
e) Format the table as follows:-
i) Centre the title and sub-title across the page　　(3 marks)
ii) Align all the temperature to the centre　　(2 marks)
f) Apply borders to cells in the worksheet as follows　　(3 marks)

i) Double line for outline border

ii) Dotted line for vertical inside borders

iii) Dashed line for horizontal

g) Rename the current worksheet as metro 2   (2 marks)

h) Copy metro 2 to blank sheet and rename Metro 3   (2 marks)

i) Insert your name and index number as footer at the centre in each sheet   marks)

j) Filter the data to display the year whose remark is moderate and total temperature is

greater than or equal to 220   (4 marks)

k) Print all the worksheet   (3 marks)

Question Two

a) The following information was extracted from WINLEX Pharmacy. Use the information to answer the questions that follow.

     i.   Create a database called INLEX.   (1 mark)

    ii.   Create the following tables; CLASSES, MEDICINE and SALES.   (10 marks)

Classes

CODE	TYPE
01	Antibiotic
02	Syrup
03	Pain killer
04	Cream
05	Hypertensive

Medicine

Unit_Code	Medicine_Name	Type	Price
Un001	Amoxil	01	Kshs 80
Un002	Alugel	02	Kshs 100
Un003	Consed	02	Kshs 50
Un004	Mara moja	03	Kshs 5
Un005	Ampclox	01	Kshs 200
Un006	Adalet	05	Kshs 50
Un007	Pharmasal	04	Kshs 60
Un008	Panadol	03	Kshs 5
Un009	Atenolol	05	Kshs 80
Un010	Clozole - B	04	Kshs 60

Sales

Date	ReceiptNo	Unit_code	Quantity
02/03/2015	1	Un004	10
02/03/2015	2	Un001	3
03/03/2015	3	Un009	1
03/03/2015	4	Un003	2
03/03/2015	5	Un005	1
05/03/2015	6	Un005	2
05/03/2015	7	Un002	1
07/03/2015	8	Un005	2
07/03/2015	9	Un010	6
10/03/2015	10	Un006	1
10/03/2015	11	Un002	1
10/03/2015	12	Un002	1
10/03/2015	13	Un002	1
11/03/2015	14	Un001	4
11/03/2015	15	Un009	5

b) Create a form for each table and name the forms as Classes_Form, Medicine_Form and Sales_Form respectively. (3 marks)

c) Enter the data in the tables appropriately. (15 marks)

d) Create relationships between the tables. (2 marks)

e) Create a query called Antibiotics with Unit code, Medicine name, Type and price as the query field names. The query should display all medicines that are Antibiotics. (2 marks)

f) Create another query called Total_Sales which will display; Date, ReceiptNo, Unitcode, Medicine Name, Quantity. The query should also display the total sales for each sale.

(5 marks)

g) Create another query to display sales made after 05/3/2015 and were more than 4 units. Save the query as Order. (3 marks)

h) Create a summarized report showing the daily sales and their Total sales. Save the Report as Summarized_Sales. (4 marks)

i) Create another report showing all Antibiotics. Label the Report as ANTIBIOTICS. Save the report as Winlex_Antibiotics. (2 marks)

j) Print the three tables (Classes, Medicine, Sales), Queries (Total_sales, Order) and report (Summarised_sales). (3 marks)

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