

451/2 – COMPUTER STUDIES – PAPER 2

(PRACTICAL)

MAY/JUN 2022 - 2½ hours

Name: Index No. /

Signature: Date:

FLASH II 2022 JOINT EVALUATION

Kenya Certificate of Secondary Education

May/June 2022

Kenya Certificate of Secondary Education (K.C.S.E)

INSTRUCTIONS TO CANDIDATES

- a) Indicate your **name** and **Index number** at the top right hand corner of each print out
- b) Write your **Name**, and **Index Number** on the CD / Removable storage medium provided
- c) Write the **name** and the **version** of each S/W used for each question attempted in the answer sheet provided.
- d) Answer **all** the questions
- e) All questions carry equal marks
- f) Passwords **should not be used** while saving in the CD/Removable storage medium
- g) All answers **must** be saved in the CD / Removable storage medium
- h) Make a printout of answers on the answer sheet provided.
- i) Arrange your printouts and tie/staple them together.
- j) hand in all the **printout** and the CD/removable storage medium used
- k) **This paper consists of 4 printed pages**
- l) **Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing**

QUESTION ONE

1. Jumia sales and marketing company sells products J, K, L. The table below shows an extract of a spreadsheet for the company's salespersons and their respective sales in shillings for each product.

	A	B	C	D	E	F	G	H
1	SALES PERSON	PRODUCT J	PRODUCT K	PRODUCT L	TOTAL SALES	POINTS	CATEGORY	TOTAL PAY
2	Jackline	4,000.00	6,230.00	7,500.00				
3	Mary	4,500.00	6700.00	8,000.00				
4	Cantona	5,678.00	10,000.00	7,800.00				
5	Janeth	3,200.00	4,000.00	9,600.00				
6	Maxwell	8,000.00	7,005.00	8,900.00				
7	Nambwa	9,800.00	9,670.00	10,000.00				
8	Kedeki	2,700.00	3,400.00	2,300.00				
9	TOTAL							

- a) i) Using a spreadsheet package enter the above information and save it as **SALES_TABLE.** (9 marks)
- ii) Format the worksheet to appear as it is. (4 marks)
- b) i) Type a formula:
- I. at cell B9 to compute the total sales for product J; (1 mark)
- II. at cell E2 to compute the total sales for Thomas . (1 mark)
- ii) Apply the formulae to the appropriate cells. (2 mark)
- c) A Salesperson earns points for the sales of each product based on the following criteria;
- 1 point for every shs. 50 for product J,
 - 2 points for every shs.65 for product K
 - 3 points for every shs.40 for product L.
- i) Type a formula in cell F2 to compute the total points earned by Thomas; (3 marks)

ii) Apply the formula in (c) (i) to the rest of the salespersons. (1 mark)

d) A salesperson is categorized based on points earned as follows.

POINTS RANGE	CATEGORY
Over 1300	Gold
1101-1300	Silver
Up to 1100	Bronze

Those salespersons attaining a Gold category earn a promotion.

i) Type a formula in G4 to determine Cantona's category. (5 marks)

ii) Apply the formula in (d) (i) to other appropriate cells. (1 mark)

iii) Type a formula at G10 to determine the number of Sales who will earn a promotion (4 marks)

e) Each salesperson earns a total pay of Shs 20,000 plus 2% commission of their total sales. Using absolute referencing, determine the total pay for each salesperson if the value 2 is entered in cell B12. (5 marks)

f) Create a bar chart showing product J and L sales person. Insert appropriate labels on the chart. (9 marks)

g) Rename the worksheet containing the data as **SalesData** and the chart sheet as **SalesChart**. (2 marks)

h) Print the following: (3 marks)

- i. **SalesData**;
- ii. **SalesData** showing the formulae;
- iii. **SalesChart**.

QUESTION TWO

- a) Type the following letter as it appears in a word processor. Use the mail merge feature to produce copies of the same letter to the persons whose details are given below.

(12marks)

MWANGAZA HIGH SCHOOL

P.O.BOX 4800

KERICHO

8TH JULY 2008

<NAME >, <ADMNO>,

<ADDRESS>

<TOWN>

Dear <NAME>

REF: 2007 KCSE RESULTS.

I am happy to inform you that the NOV –DEC Examinations are out. Kindly arrange to visit our school on <Date to visit> at 9.00 a.m. in order to know the details. Remember to carry your original KCPE certificate and examination registration card- bearing the index number.

Your's truly,

Headteacher

Data source (List of Candidates)

Name	Adm. No	Address	Town	Date to visit
Mark Otieno	8074	P.O.BOX 24	Sondu	02/03/08
Kevin Kirui	8189	P.O.BOX 172	Kericho	08/03/08
Bernard Soi	8065	P.O.BOX 84	Bomet	24/03/08

Required:

- Save** Main document as Main Doc (1mk)
 - Save** Data source as Data source (1mk)
 - Change** the addresses and reference font size to 14pts (1½mks)
 - Underline** the reference (½mks)
 - Merge** the letter onto main document so as to produce copies for all the three candidates and save it as 'Results 2007'. (6mks)
 - Print** the letters (3mks)
- b) **Type** the following text in a word processing software. (22mks)

INTRODUCTION TO COMPUTERS & OPERATING SYSTEMS

A computer is a machine or an electronic device that can solve problems by accepting data, performing certain operations on that data (processing) and presenting the results of those operations (Information) Basic characteristics that distinguish a computer from other information processing devices: -

- (i) A computer is electronic – That is, all its processing operations are carried out with electrical signals
- (ii) A computer can store information for future reference. This is done on temporary basis with memory circuits and permanently with storage devices such as magnetic disks and tape.
- (iii) A computer is programmable – unlike other devices built to perform a single function, a computer can be instructed or programmed to perform a variety of tasks.

HOW A COMPUTER OPERATES

Converting the data (raw facts) into information (Organized, usable form) is called data processing.

Data get into the system by means of an input device. e.g keyboard then the computer performs the necessary calculations or manipulations on the data and finally the organized information is displayed by an output device e.g a monitor.

FUNCTIONS PERFORMED BY A COMPUTER

Although computers have many applications, they can perform only three basic tasks.

- (i) Arithmetic functions on numeric data (adding, subtracting, multiplying and dividing)
- (ii) Test relationships between data items (by comparing values)
- (iii) Store and retrieve data

These skills are really no more than people can do, but the computer can accomplish the task more;

- Faster
- Accurately
- Reliably

Your Required to:

- a) **Align** the title to the center and underline it (1mk)
- b) **Add** border to the title. (2mks)
- c) **Replace** all the Roman numbers with bullets. (2mks)
- d)
 - i) **Insert** the footer “Computer Districts Mock 2008”. (2mks)
 - ii) **Insert** the header “Your name and index No” (2mks)
- e) Set the line spacing to exactly 1.5 (4mks)
- f) Insert word Art “COMPUTER” and set it to appear behind the text. (5 mks)
- g) Search for words “Computer” and replace all with “PC”. (2 mks)
- h) Move paragraph with the heading “how a computer operates” to the end of the document. (2mks)
- i) **Set** the font style of the document to Arial black (3 mks)
- j) **Save** your work as “computer Literacy” (1mk)

Print your document. (2 mks)