MOKASA 2 JOINT EXAMINATION

451/2 COMPUTER STUDIES – Paper 2

(PRACTICAL)
JULY 2025
TIME: 2½ HRS

Name……...……Adm. No……..…….

Class……Signature ……..…..Date ……

Kenya Certificate of Secondary Education

INSTRUCTIONS TO CANDIDATES

1. *Type your name and admission 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. *Create a FOLDER and give it your admission number*
4. *Write your name and admission number on the question paper.*
5. *Passwords should not be used while saving your work.*
6. *Answer all the questions*
7. *All questions carry equal marks*
8. *All answers must be saved in the folder bearing admission number.*
9. *Make a printout of the answers on the answer sheets provided*

This paper consists of 4 printed pages. Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

1. Maweu own a bodaboda transport company which uses six motorbikes to transport and ferry luggage in NAKS-VEGAS City. The management track and record distance covered by each motorbike each week as shown in the table below. (Values are in Kilometres).

	A	B	C	D	E	F	G	H	I
1	**Rider Name**	**Bike Model**	**Week 1**	**Week 2**	**Week 3**	**Week 4**	**Total Distance**	**Monthly Revenue**	**Commission**
2	Edu Chacha	Boxer	123	245	172	189			
3	Davy Ngeza	Yamaha	344	256	194	202			
4	Tomas Safari	KingBird	330	264	307	192			
5	Tommy Singa	Boxer	154	176	129	157			
6	Rael Njeri	Yamaha	334	378	402	224			
7	Juma Wambu	Boxer	134	293	207	229			
8									
9	**Charges Per Km**	**30**							
10									
11	**Weekly Revenue**								
12	**Total Commission**								
13	**Revenue >40,000**								
14	**Lowest Revenue**								
15									
16			**Boxer**						
17			**Yamaha**						
18			**KingBird**						

(a) Enter the data shown above into a spreadsheet and save it as **BODA.** (9 marks)

(b) Use a function to calculate the:

(i) total distance for each week. (2 marks)

(ii) total distance for each Rider. (2 marks)

(iii) Rename worksheet as **Total Distance.** (1 mark)

(c) (i) Copy data in sheet 1 to sheet 2 and rename sheet as **Revenue**.

(ii) Monthly revenue is generated by *multiplying the total distance covered by the charges per kilometre in cell B9.*
Use absolute cell referencing to calculate:

(I) the monthly revenue generated by each Rider. (4 marks)

(II) the weekly revenue. (4 marks)

(d) Each Rider is paid a monthly commission depending on performance. The first Ksh 10,000 of the Monthly revenue attrack a commission of 8% and any additional revenue attrack a commission of 12%. Use a function and cell address to calculate:

(i) commission for each Rider. (4 marks)

(ii) total commission that month. (2 marks)

(e) Using a function on cell B13 and B14 respectively, determine :

(i) the number of Riders whose monthly revenue were above Ksh.40, 000. (2 marks)

(ii) lowest weekly revenue. (2 marks)

(f) Format the monthly revenue and commission as follows: (4 marks)

(i) 1 decimal places

(ii) Use 1000 separator, 1 decimal place

(iii) Currency symbol KES

(iv) Apply thick box border to all cells containing values

(g) Enter the labels Boxer, Yamaha and KingBird in the cell range C16:C18 respectively, representing the bike model type. Using a formula and cell reference, compute the total revenue for each bike model. (3 marks)

(h) Insert a column heading **Remarks** and use the "IF" functions to display remarks for the monthly revenue as follows: (4 marks)

Monthly Revenue	**Remarks**
Over 40 0000	Exceed target
20001- 40 000	On target
Up-to 20 000	Below target

(i) (i)Create a line graph in sheet 3 using the file **Total Distance** to compare the distance covered by each rider in the four weeks as follows: (6 marks)

I. Chart Title : Weekly Distance Per Rider.

II. Y-axis : Distance covered in Km

III. X-axis : Rider Name

IV. Legend position : Below

(ii) Rename sheet as **Chart.** (1 mark)

(j) Print the following: (2 marks)

(i) Revenue showing formulae

(ii) Chart

2. (i) Using a publisher create the publication as it appears below. (40 marks)

(ii) Set the page a setting s follows:

- Paper size A4 (1 mark
- Margins 48 Picas on each side (2 marks
- Orientation Portrait (1 mark)

(iii) Shade the swimming pool blue (2 marks)

(iv) Shade the heading MOKASASA GROUP OF SCHOOLS pink (2 marks)

(vi) Save as Mokasa2. (1 marks)

(vii) Print Mokasa2 Publication (1 mark)