

# **FRM 1 MIDTERM 2 EXAM**

# **ALL SUBJECTS**

**SERIES 1**

**KENYA EDUCATORS CONSULTANCY EXAMS**



**FOR MARKING SCHEMES:**

**CONTACT:**

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**KENYA EDUCATORS CONSULTANCY**



**KENYA CERTIFICATE OF SECONDARY EDUCATION**  
**AGRICULTURE FORM ONE**  
**MIDTERM 2 TERM 2 SET 1 2023 EXAM**

NAME: \_\_\_\_\_ STREAM \_\_\_\_\_ DATE: \_\_\_\_\_

1. What is Agriculture? (1 mark)

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2. What entails agriculture as an art? (4 marks)

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3. What entails agriculture as a science? (4 marks)

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4. State **three** forms of practicing horticulture in Kenya. (3 marks)

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5. State **four** livestock farming in Kenya. (4 marks)

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6. Distinguish Agricultural Economics and Agricultural Engineering. (2 marks)

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7. State **three** features of intensive farming system. (3 marks)

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8. State **three** advantages of ranching in marginal range areas. (3 marks)

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9. (a) State condition under which shifting cultivation is practicable. (4 marks)

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(b) State **four** disadvantages of shifting cultivation. (4 marks)

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10. State **four** importance of organic farming.

(4 marks)

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11. State **two** advantages of mixed farming.

(2 marks)

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12. State **three** differences between small-scale farming and large scale farming.

(6 marks)

<b>Small scale farming</b>	<b>Large scale farming</b>

13. State how the level of Education and Technology affect agriculture.

(4 marks)

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14. State the effect of HIV/AIDs and ill health on agriculture.

(4 marks)

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15. State **four** ways in which government policy influence agriculture. (4 marks)

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16. State **five** Biotic factors that affect agriculture. (5 marks)

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17. State **three** aspects of rainfall that influence agriculture. (3 marks)

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18. State **three** aspects of light that affect agriculture. (3 marks)

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19. State the role of agriculture in the economy. (4 marks)

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**KENYA CERTIFICATE OF SECONDARY EDUCATION**

**ART & DESIGN FORM ONE**

**MIDTERM 2 SET 1 2023 EXAM**

**Instructions:**

\* This paper consists of two sections, A and B

\* *Answer all questions in both sections.*

\* *Write your name and admin No clearly in the spaces provided above.*

\* *Use relevant illustrators and drawings where required.*

**FOR EXAMINER'S USE ONLY**

SECTION	QUESTIONS	CANDIDATES' SCORE
A	20	
B	70	
	<b>TOTAL SCORE: 90</b>	

**(a) Define Art (2 mks)**

.....

.....

.....

**(b) What do you understand by the term shape (1mks?)**

**c. Name two types of shapes [2mk]** .....

**(ii) Give 3 examples of each of the shapes name in c (ii) above (3mks)**

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.....

**d) List any 5 design courses in the field or Art (5mks).....**

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.....

**e (i) Give the both name for active and passive balance(2mks)**

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.....

**(ii) Use a diagram to illustrate any one of the types above (2mks)**

**f. Define tone and illustrate using the shape of a cylinder (3mks).**



**SECTION B (60mks)**

**[2] Using the space bellow, draw a hand brushing a shoe [10mks]**

**(3) Study the art work bellow**



**(i). Give the possible suitable theme/topic of the art work above (1mk)**

.....

**(ii) Give two most outstanding elements in the art work above (2mks)**

.....

**4. Define a line (1mk)**

(b) Name any six characters of lines (3mks)

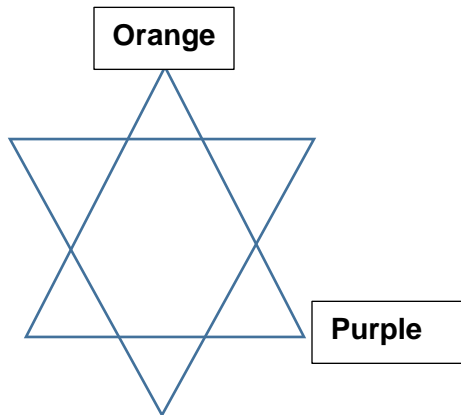
5. (a) Define colour as an element of art and design (2mks)

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.....

(b) Name three major types of colours (3mks)

.....  
.....  
.....

(c) Fill the missing colours in the colour triangle bellow (4mks)



(d) Name any two sets of complimentary and analogous colours (4mks)

Complementary..... ,.....  
....., .....

Analogous .....  
.....

[6] Define texture [2mks]

.....  
.....  
.....

(b) Name two types of texture (2mks)

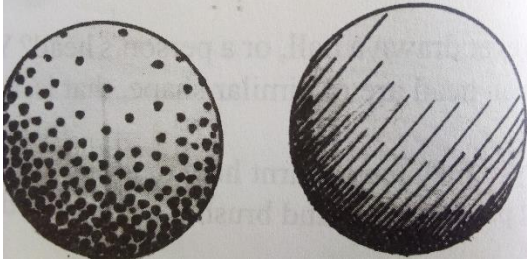
c) Using any Illustrations of your choice, Show any three techniques of shading that creates texture of a surface/object (6mks)

7. Define dominance as a principal of art and design. (1mk)

(b) In the space below, illustrate the above principal (3mks)

(b) ii Give any two ways/ techniques of achieving the principal of dominance(2mks)

8. Identify and name the techniques of shading illustrated below (2ms)



(ii) How is the element of tone shown in the two illustrations above?(2mks)

9. What do you understand by the term “Perspective, as a technique in drawing?(2mks)

**(ii) What is the other name for aerial perspective?(2mks)**

**(ii) Using relevant drawings in the space below, illustrate any other two types of perspective apart from the one named in 9ii) above(6mks)**

**10. (i) Define balance(1mk)**

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(ii) Using relevant drawings/illustrations, Name and explain three types of balance (9mks).....

(a).....  
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(b).....  
.....  
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(c).....  
.....  
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KENYA CERTIFICATE OF SECONDARY EDUCATION

**BIOLOGY FORM ONE**

**MIDTERM 2 2023**

NAME: \_\_\_\_\_ STREAM \_\_\_\_\_ DATE: \_\_\_\_\_  
SCHOOL \_\_\_\_\_

FOR EXAMINER'S USE ONLY

QUESTION	MAX. SCORE	CANDIDATE'S SCORE
1 - 24	80	

**This paper consists of 8 printed pages. Candidates should check the question paper to ascertain that all pages are printed as indicated and no questions are missing.**

1. i) Explain two main branches of Biology. (2mks)

.....  
.....

2. Name the cell organelle which would be abundant in: (2mks)  
i) Sperm cell:

.....

ii) Pancreas:

.....

3. What is the name given to the study of; (3mks)

Fungi

.....

Cells

.....

Tissues

.....

4. Give reason why each of the steps is followed when preparing a cross section of a leaf for examination under a microscope. (2mks)

a) Cutting very thin sections

.....

.....

b) Using sharp razor blade when cutting

.....

.....




5. State three importance of osmosis in plants (3mks)

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- .....
6. a) Name the following apparatus used in specimen collection and for each, mention its function. (6mks)

Name	Apparatus	Function
		
		
		

- b.) State four precautions during collection and observation of specimen. (4mks)

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7. Differentiate between plants and animals in terms of nutrition. (2mks)

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8. Define the term species. (2mks)

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.....

9. State **three** principles of binomial nomenclature (3mks)

.....

.....

10. Name the tissue in plants responsible for.

a) Transport of water and mineral salts. (1mk)

.....

b) Transport of synthesized food substances. (1mk)

.....

11. State the functions of the following cell organelles.

a) Golgi apparatus. (1mk)

.....

b) Ribosomes (1mk)

.....

c) Lysosomes (1mk)

.....

12. Name the organelle which carry out the following functions in a cell

(a) Transport of lipids (1mk)

.....

(b) Formation of cilia and flagella (1mk)

.....

13. The table shows substances at different concentrations between sea-water and the cell sap of the root hair cells of sea weeds.

Substance	Iodine	Phosphorus	Potassium
Concentration in sea water	20	50	33
Concentration in sea weed root hair cell	40	42	21

a.) Name the process by which;

i. The iodine molecules were absorbed by the root hair cell (1mk)

.....

ii. The phosphorus molecules were absorbed by the root hair cell. (1mk)

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14. State four importance of studying Biology. (4mks)

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15. Give three properties of a cell membrane. (3mks)

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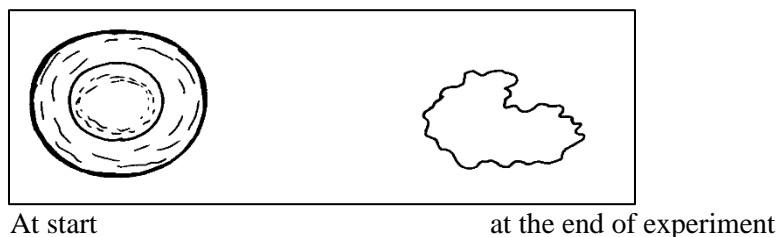
.....

16. Explain three roles of diffusion in animals. (2mks)

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17. The diagram below a red blood cell that was subjected to a certain treatment.



a) Account for shape of the cell at the end of the experiment. (2mks)

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b) Draw a diagram to illustrate how a plant cell would appear if subjected to the same

treatment

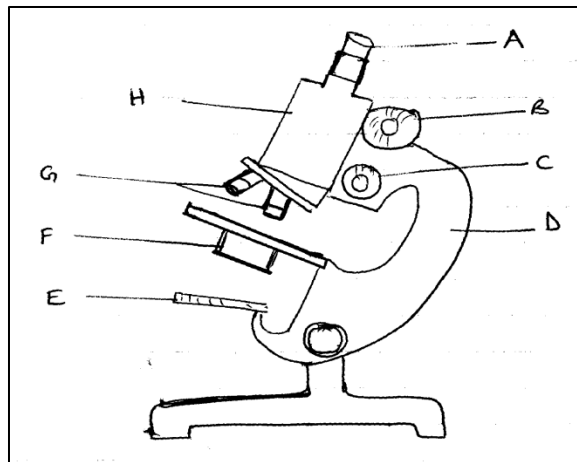
(1mk)

18. Plant cells do not burst when immersed in distilled water. Explain

(2mks)

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19. The following is a diagram of a light microscope.



a) Name the parts

labeled A, B, C, D and E.

(5mks)

A.....

B.....

C.....

D.....

E.....

b) State the functions of parts labeled F and G

(2mks)

F .....

**G** .....

c.) State the formula for calculating magnification in a Light Microscope. (1mk)

20. Name the organelle that contains enzymes that are capable of destroying old damaged cell.  
(1mk)

.....

21. The scientific name for beans is *Phaseolus vulgaris*

a) What taxa does the term *Phaseolus* represent (1mk)

.....

b) State **two** rules that are followed when giving a scientific name to an organism (2mks)

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.....

23. List four careers that require knowledge in biology (4mks)

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.....  
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24. Classify the following organisms into their kingdoms  
(4mks)

Organisms	Kingdom
a) Maize, Beans	.....
b) Mushrooms, Yeast	.....
c) Protozoa, algae	.....
d) Bacteria	.....

**BUSINESS FORM ONE**

**MIDTERM 2 SET 1 2023**

NAME: \_\_\_\_\_ STREAM \_\_\_\_\_ DATE: \_\_\_\_\_  
SCHOOL \_\_\_\_\_

**ANSWER ALL QUESTIONS IN THIS PAPER**

1. Give a term as used in business studies described below. (5 marks)

	<b>Description</b>	<b>Term</b>
a)	Movement from producer to consumer	
b)	Activity carried out by an organization for profit	
c)	The process of increasing the usefulness of a good	
d)	Actions by an individual that can be sold	
e)	The final use of a good or service	

2. List five activities that take place during distribution. (5 marks)

- a) \_\_\_\_\_
- b) \_\_\_\_\_
- c) \_\_\_\_\_
- d) \_\_\_\_\_
- e) \_\_\_\_\_

3. Highlight five external factors that affect the operations of a business (5 marks)

- a) \_\_\_\_\_
- b) \_\_\_\_\_

c) \_\_\_\_\_

d) \_\_\_\_\_

e) \_\_\_\_\_

4. Highlight five characteristics of human wants. (5 marks)

a) \_\_\_\_\_

b) \_\_\_\_\_

c) \_\_\_\_\_

d) \_\_\_\_\_

e) \_\_\_\_\_

5. Differentiate between a good and a service. (5 marks)

<b>Goods</b>	<b>Services</b>







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11. In the table below, indicate the type of business activity represented by the actions given.

(10 marks)

	<b>Activity</b>	<b>Type of business activity</b>
a)	Lumbering	
b)	Fishing	
c)	Teaching	
d)	Selling sweets in a kiosk	
e)	Buying dresses at Kshs. 200 each and selling for Kshs 500 each	
f)	Building a house	
g)	Grinding maize into flour	
h)	Making chapati	
i)	Wholesaling	
j)	Levelling of local road using murrum	

12. Identify four factors of production and in each case give their rewards (4 marks)

<b>Factors of production</b>	<b>Rewards</b>



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16. Define the following terms as used in business studies. (3 marks)

a) Scarcity \_\_\_\_\_

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b) Choice \_\_\_\_\_

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c) Opportunity cost \_\_\_\_\_

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17. Highlight four negative effects of production on community. (4 marks)

a) \_\_\_\_\_

b) \_\_\_\_\_

c) \_\_\_\_\_

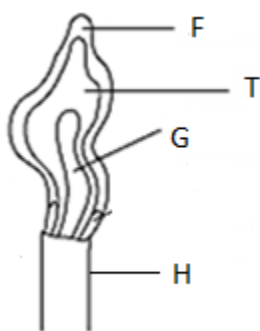
d) \_\_\_\_\_

**CHEMISTRY FORM ONE**

**MIDTERM 2 SET 1 2023 EXAM**

**ANSWER ALL QUESTIONS IN THE SPACES PROVIDED**

1. Study the figure below and answer questions that follow.



(a) Name the type of flame shown and give a reason. (2mks)

(b) Name the parts labelled **F** and **G**. (2mks)

(c) State the three differences between the two flames of a Bunsen burner (3Mks)

2. State the best method to separate the following mixtures (3Mks)

(a) Components of crude oil

(b) benzoic acid and sodium chloride

(c) Iron filings and Sulphur

3. Draw and state one use of the following apparatus. (2mks)

(a) Deflagrating spoon

(b) Mortar and pestle

4. State three roles of chemistry as a subject to the society (3mks)

5. Complete the table below(4mks)

Element	symbol	Element	Symbol
Sodium			Hg
	K	Copper	
Sulphur			C
Iron		Hydrogen	

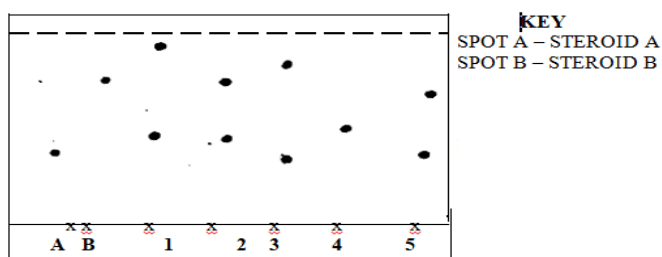
6.(a) Define the following terms (2mks)

(i) Drug

(ii) Drug abuse

(b) State two effects of drug abuse to the consumer (2mks)

7. During Olympics, urine sample of five short distance runners (1 -5) were taken and tested for the presence of two illegal steroids by paper chromatography. Methanol was used as the solvent. A chromatogram from the test appeared as shown below. Study the chromatogram and answer the questions that follow.

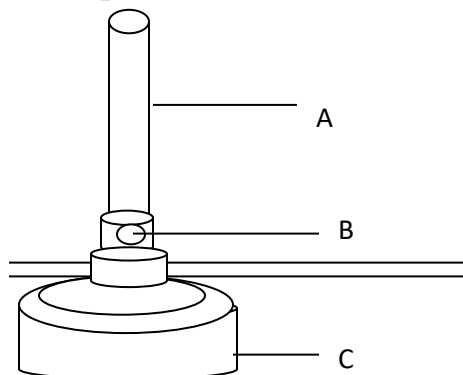


a) Which of the two steroids is most likely to be more soluble in methanol?  
Give a reason. (1mk)

b) Identify the athletes that tested positive for the illegal steroids. (1mk)

c) On the diagram, indicate the solvent front. (1mk)

8. The diagram below shows parts of a Bunsen burner.



a) Name the parts labelled A , B (1 mark)

b) Give one use of the part labelled A (1 mark)

9. Hydrated copper (II) sulphate exists as blue crystals while anhydrous copper (II) sulphate is a white powder. Describe a laboratory experiment that can be used to show that the action of heat on hydrated copper (II) sulphate is a reversible reaction (3 marks)

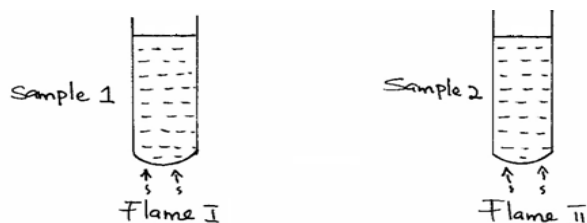
10.(a) Melting point of naphthalene is  $80^{\circ}\text{C}$ . When camphor is added to a sample of naphthalene, the melting point changes to  $79.8^{\circ}\text{C}$ . Explain (2mks)

b) What is effect of adding magnesium sulphate to the boiling point of distilled water? (1mk)

11.(a) A patient was given tablets with prescription 2 x 3 on the envelope. Clearly outline how the patient should take the tablets. (1 mark)

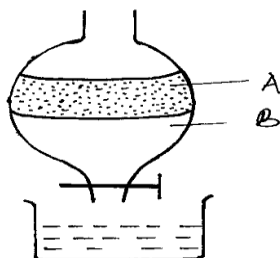


- (b) Two samples of equal volumes of water were put in 250cm<sup>3</sup> beaker and heated for 10 minutes. Sample 1 registered a higher temperature than sample 2.



State the condition under which flame I is produced in Bunsen burner. (1 mark)

12. The apparatus below was used to separate a mixture of liquid A and B.



State two properties of the liquids that make it possible to separate them using such apparatus. (2 marks)

13. Define the following terms (4mks)

(a) An atom

(b) Molecule

(c) Element

(d) Compound

14. Give three differences between permanent and temporary changes. (3mks)

TEMPORARY CHANGE	PERMANENT CHANGE

15. State two laboratory rules to observe when preparing a **poisonous** gas. (2mks)

16.a) Describe how to light and obtain a non- luminous flame from a Bunsen burner. (3 mks)

b) State one disadvantage of the flame obtained above. (1 mk)

17. State the type of changes undergone by the following substance,

a) Obtaining kerosene from crude oil. (1 mk)

b) Souring of milk.

(1 mk)

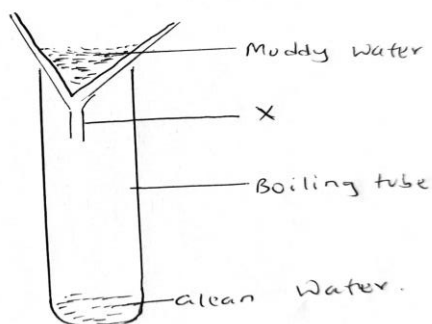
18. The table below shows information about three solid substances A, B and C. Study it and answer the question that follow.

SOLID A	COLD WATER	HOT WATER
A	Soluble	Soluble
B	Insoluble	Insoluble
C	Insoluble	Soluble

Describe how you will separate the three solids from a mixture of these three. (3mks)

19. Given iron fillings, a crucible, a plain piece of paper, sulphur powder, magnet , a source of heat and any other laboratory apparatus, explain how you can distinguish between a mixture and a compound (3mk)

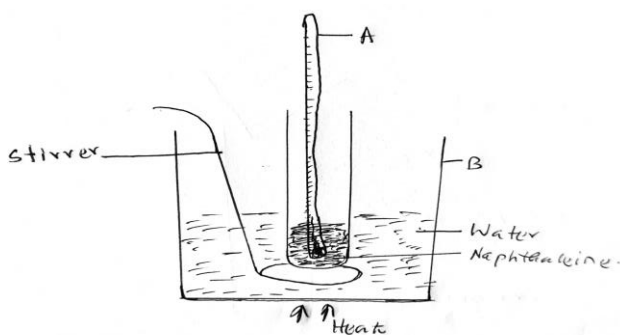
20. The diagram below shows how muddy water can be made clean. Study it and answer the questions that follow.



(a) Name the apparatus labeled X. (1 mk)

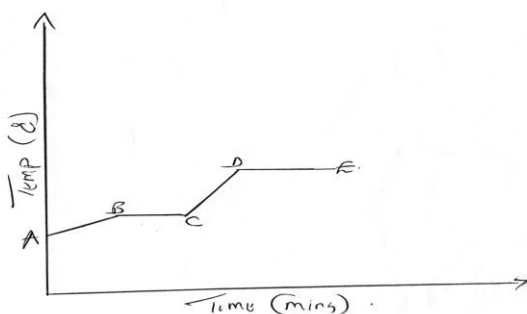
(b) Give the advantage of the above process over decantation (1mk)

21. In the experiment to study the effect of heat on naphthalene the following set up was used.



(a) Name the apparatus labeled A and B. (2 mks)

(b) The curve shown below was obtained when solid naphthalene was heated to boiling.



(a) Explain in molecular terms the changes occurring in portions :- (2 mks)

(i) DE –

(ii) What is the significance of portion BC?

(1 mk)

b) On the same grid sketch a graph obtained when salt is added to naphthalene before being heated (1mk)

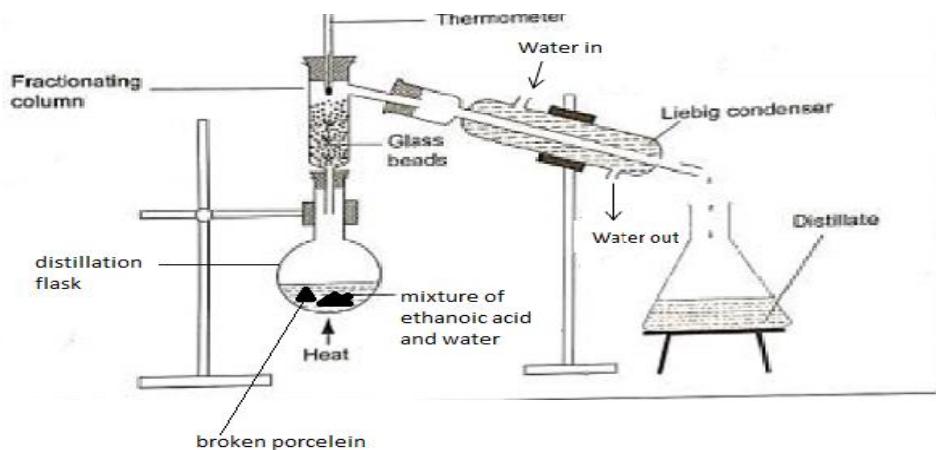
22. In the process of separating or extracting oil from castor oil seeds in the laboratory, students from Anestar schools crushed the seed sand then added propanone (acetone) instead of water.

(a) Why were the seeds first crushed?

(1 mk)

(b) Explain how the oil can be separated from propanone. (2 mks)

23. The diagram below shows a set up that was used by a student to separate a mixture of water and ethanoic acid. Study it and answer the questions that follow. (Boiling point water =  $100^{\circ}\text{C}$ , ethanoic acid =  $118^{\circ}\text{C}$ )



- a. State one mistake in the set up. (1mk)
- b. Which component of the mixture will be collected first and why? (2mks)
- c. What are the roles of the following; (3mks)
- i. Thermometer
  - ii. Liebig condenser
  - iii. Pieces of broken porcelain
- d. Why is it preferable for the distillation flask to be round- bottomed rather than flat bottomed rather than flat bottomed? (1mk)
- e. At what point does one know that the entire first fraction has been removed from the distillation flask. Explain. (2mk)

24. State the three states of matter (1mk)

**COMPUTER STUDIES FORM ONE**

**MIDTERM 2 SET 1 2023 EXAM**

**ANSWER ALL THE QUESTIONS**

1. Define the following terms **(4mark)**

a. Embedded computer

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b. Artificial intelligence

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c. ICT

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d. Process

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2. State four health problems that can be caused by prolonged use of computers **(4marks)**

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3. Mention five devices or components housed within the system unit **(5marks)**

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4. Mention four non-electronic devices used to perform simple arithmetic computation before computer were developed **(4marks)**

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5.

i. Why is Charles Babbage considered as the father of computers **(2marks)**

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ii. State three technological hardware difference between first generation computers and third generation computers **(3marks)**

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6. Describe the functions of the following Keyboards keys **(3marks)**

a. Tab

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b. Caps lock

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c. Backspace

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7. Use abacus structure to represent the following numbers **(4marks)**

a. 1061

b. 0021





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ii. Transport **(5marks)**

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13.

i. Define computer laboratory **(2mark)**

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ii. Mention three functions of Uninterruptible power supply unit **(3marks)**

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iii. State four ways of ensuring proper ventilation in a computer lab **(4marks)**

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iv. Mention three major problems related to power supply usually experienced in a computer lab **(3marks)**

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14. Briefly describe four features of a computer that make it handle tasks better human being **(4marks)**

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15. List four attributes that make a programmable calculator to be considered as a computer **(4marks)**

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16.

i. Mention four major categories of computer hardware **(4marks)**

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ii. Name four examples of scanning devices **(4marks)**

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17. Mention four measures that should be observed in a computer laboratory to protect the computer and programs from theft **(4marks)**

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18.

a. state two major challenges experienced by computer that are shutdown using the wrong procedure **(2marks)**

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b. mention three advantages of a wireless keyboard **(3marks)**

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19. Give a reason to justify why power and liquid based fire extinguishers are not installed in computer labs

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20. List four pointing devices **(4marks)**

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**KENYA CERTIFICATE OF SECONDARY EDUCATION  
CRE FORM ONE  
MIDTERM 2 SET 1 2023**

**NAME:** \_\_\_\_\_ **STREAM** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
**SCHOOL** \_\_\_\_\_

**TIME 2HRS**

**INSTRUCTIONS:** Answer **ALL** five questions

1a) Give **FIVE** ways in which the God reveals Himself to humankind. (5mks)

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b) State **SIX** reasons why the study of CRE is important in Kenyan schools (6mks)

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c) List **FIVE** nationals' goals of education. (5mks)

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2 a) Why is the bible referred to as God's word (10mks)

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b) Give **FIVE** reasons why it is important for Christians should read the Bible. (10mks)

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c) Identify **SIX** human authors in the Bible (5mks)

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3 a) Giving examples identify **EIGHT** literary forms used by writers of the Bible (8mks)

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b) Name **FIVE** Deutro-Canonical books (5mks)

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c) State **SEVEN** effects of Bible translation to African languages. (7mks)

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4 a) Give a record account of the first creation story.(7mks)

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b) Give **SEVEN** differences between the first and second account of creation stories. (7mks)







**KENYA CERTIFICATE OF SECONDARY EDUCATION**

**DRWAWING & DESIGN FORM ONE**

**MIDTERM 2 SET 1 2023 EXAM**

**INSTRUCTIONS TO CANDIDATES:**

**Answer all the questions in the spaces provided.**

<b>QUESTIONS</b>	<b>MAXIMUM SCORE</b>	<b>CANDIDATE SCORE</b>
<b>1-16</b>	<b>100</b>	

1. State five reasons studying drawing and design as a subject (5 marks)

- i. ....
- ii. ....
- iii. ....
- iv. ....
- v. ....

2. Briefly define the following terms. (2mks)

- i. Technical drawing.....
- ii. Design.....

3. List four type of drawing templates found in drawing office. (4mks)

- i. ....
- ii. ....
- iii. ....
- iv. ....

4. a). State the sizes of the following drawing papers. (4mks)

- i. A4
- ii. A3
- iii. A2
- iv. A1

b). state where each of the following types of lines are used (5mks)

- Type of line uses.
- i. Bold and continuous line .....
  - ii. Thin and continuous line .....
  - iii. Bold and continuous irregular line .....
  - iv. Thin short dashes .....
  - v. Thin chain lines .....

5. (a) Give one reason why the following are used in drawings (2marks)

- i. lettering
  
- ii. Symbols and abbreviations

(b) State the two main classes of drawings (2mks)

- i. ....
- ii. ....

6. Fill in the blank spaces with the correct type of drawing associated with the following fields in technical drawing. (5mks)

	FIELD	TYPE OF DRAWING
1	Construction industry	
2	Mechanical industry	
3	Building industry	
4	Ship industry	
5	Aircraft industry	

7. List four aims of technical drawings. (4mks)

- i. ....
- ii. ....
- iii. ....
- iv. ....

8. State five general maintenance on drawing instruments (5 marks)

- i. ....
- ii. ....
- iii. ....
- iv. ....
- v. ....

9. (a) What is dimensioning? (1mks)

(b) Use sketches to illustrate the difference between datum and chain dimensioning (4 marks)

(c) Sketch how the following pencils are sharpened. (2mks)

i. HB pencil

H pencil

10. Construct the following angles using a pair of compass, a pencil and a ruler only (10 marks)

i.  $60^{\circ}$

ii.  $30^{\circ}$

iii.  $90^{\circ}$

iv.  $37.5^{\circ}$

v.  $75^{\circ}$

11. Construct a square whose diagonal is 65mm (6mks)

12. From the given line AB, illustrate how a line can be proportionally sub- divided into 10 equal portions. (6mks).

A  B

13. Construct a kite when given the lengths of the diagonals as 71 mm and 53mm and the point of intersection is 53mm from one end of the longer diagonal. (6mks)

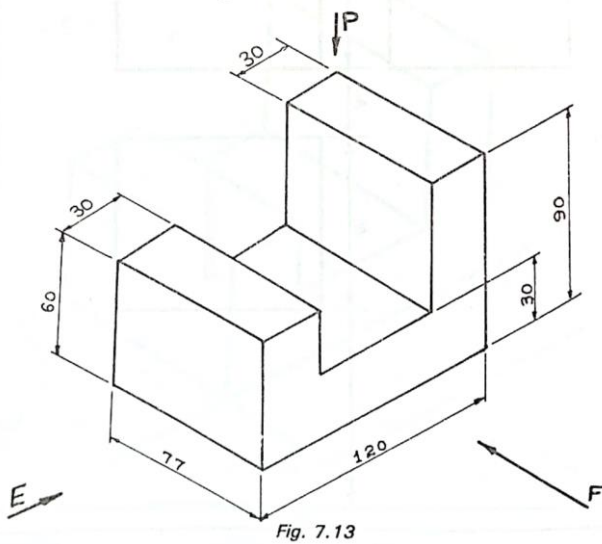
14. Construct a triangle with a base measuring 62mm, an altitude of 50mm (6mks)

15. Construct a triangle when given the base as 60mm and two base angles as  $120^{\circ}$  and  $30^{\circ}$ .  
(6mks)

16. Draw the following views of the block given below.

(15 marks)

- i. Front Elevation
- ii. End elevation
- iii. The plan



**ENGLISH FORM ONE**  
**MIDTERM 2 SET 1 2023**

NAME: \_\_\_\_\_ STREAM \_\_\_\_\_ DATE: \_\_\_\_\_

SCHOOL \_\_\_\_\_

**INSTRUCTIONS TO CANDIDATES**

- Write your name and Index number in the spaces provided above. Sign and write the date of examination in the spaces provided above.
- Answer ALL the questions in this question paper
- ALL your answers must be written in the spaces provided in this question paper.

**EXAMINERS USE.**

Question	Maximum Score	Candidates Score
1	20	
2	10	
3	30	
4	20	
<b>TOTAL</b>	<b>80</b>	

*This paper consists of 8 printed pages.  
Candidates should check the question paper to ensure that all pages are printed as indicated  
and no questions are missing*



## 1. COMPREHENSION PASSAGE

(20 MARKS)

### 1. Read the passage below and then answer the questions that follow.

Discipline is something that we have all experienced personally in different forms, seen used on others, and is also something that many of us will go on to use later in life, both in the form of self-discipline and as something to keep children and even employees in check. It is essential to life as we know it, and we need it in its many different forms in many different situations.

The first reason that discipline is so important is that we all need to exercise self-discipline to be successful in life. Self-discipline can mean very different things to different people; for students, for example, self-discipline is often about motivating yourself and making yourself concentrate on your studies and get your assignments in on time. For working people, it can be as simple as getting up on time every morning, however tired you may be and how much you may hate your job, getting to work on time and doing your job. Without this kind of self-discipline, people would not be able to enjoy academic success, or be successful in their careers either.

Self-discipline is also required for dieters and anyone doing regular exercise, because given the chance, most of us would prefer to be lazy rather than get up and exercise, and eat burgers and fries rather than healthy food. Without it, even more people would be fat and unhealthy, and a lack of self-discipline in some people certainly contributes to the obesity crisis.

Discipline is also something that needs to be used on others where necessary. If parents didn't discipline their children when they were naughty, children wouldn't grow up knowing right from wrong, or be able to become productive members of society who contribute to the system. Equally, schoolteachers need to be able to dish out punishments to children who don't behave themselves. Without discipline in the classroom, there would be a great deal of **disruption** and nobody would ever learn anything. Indeed, teachers who struggle to command the respect of students and who fail to use discipline effectively will often have trouble even making themselves heard in a classroom.

In the workplace, discipline is also essential to maintaining a hierarchy and dealing with employees who do not follow company policies and procedures, regularly arrive late or not at all, or treat their co-workers unfairly. Then, you have to consider that without discipline, there would be no law enforcement. Murderers would be **roaming** the streets and everybody would be stealing from each other, because there would be no consequences for their actions.

Discipline acts as a **vital** deterrent to stop children being naughty, people from missing work, and even potential criminals from stealing and killing, and for this reason it is vital in human society.

(a) In which forms can discipline be used later in life of a person? (2marks)

.....  
.....

(b) What would become of naughty children if parents didn't discipline them according to the passage? (2marks)

.....  
.....  
.....

(c) What does self-discipline mean to a student according to the passage? (2marks)

.....  
.....

(d) In note form, state the reasons for discipline. (4marks)

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.....  
.....  
.....

(e) How does absence of discipline lead to no law enforcement according to the passage? (3marks)

.....  
.....  
.....  
.....

(f) What **three** things does discipline restrict one from doing according to the passage? (3marks)

.....  
.....  
.....  
.....

**(g) Equally**, schoolteachers need to be able to dish out punishments to children who don't behave themselves.

(1mark)

*Replace the word in bold with a word with similar meaning.*

.....  
.....

**(h)** Explain the meaning of the following expressions As used in the passage.

(3marks)

i) Disruption .....

ii) Vital .....

iii) Roaming .....

**2. CLOZE TEST**

**Read the passage below and then fill the gaps with the most appropriate words. Use only ONE word in each space. (10marks)**

A school is place of learning for a child. It is a training ground for him. Here he forms new associates, comes in contact with students of different temperaments and forms new ideas and habits.

It is here that he prepares ...1.....for the stage of life. So the right type of educational school is for great importance for him.

I was enrolled in a school ...2.....the age of five. It was a primary school. The memory of my first day in school is still ...3.....in my mind. It was a small school with eight rooms.

There ...4.....ten teachers including the physical instructor. The headmaster's office was separate. The school ...5.....a compound with lush green lawns and flowers bedded.

My father took me to the headmaster's office and got me admitted in the school. He ...6..... me a packet of toffees to be distributed among my classmates.

My class teacher was very gentle. He encouraged me ...7.....treated me kindly. I felt a bit nervous in the new environment. The boys ...8.....at me with wonder and smiled. I had with me English primer and got my first lesson in alphabet.

The bell for interval rang. The boys rushed out of the classrooms. Some of them gathered round me. They laughed at me and ...9.....fun of me. A few sympathized with me and befriended me. I had a novel experience.

The last bell went at three in the afternoon. All the boys felt very happy. I also took my bag and hurried .....10.....to my home.

**3. ORAL SKILLS 30MARKS**

(a) Read the poem below and then answer the questions that follow.

Today, the weather feels like heaven's bliss!  
The balmy breeze and beautiful soft blue  
Of sky above so makes me think of love.  
I feel time's right to write a charming poem  
Alone, together with my thoughtful views;  
The day's bright glow morphs into sunny smiles  
As sun speaks out to tell me all's okay.  
Free gift, true fact, sun is my greatest joy!  
Oh loveliness of day you melt my heart!  
The words are humming, coming to my mind...  
Not nasty, snippy ones, evoked by rain,  
But sweet, melodious, soft, sing-song ones  
That move what's seen to my poetic scene  
To pant such happiness when weather's fine

i) Identify a word from the poem that is pronounced the same way as: (6marks)

- I. Rite .....
- II. Blew .....
- III. Son .....
- IV. Seen .....
- V. Whether .....
- VI. Reign .....

ii) Write words that begin in the same sound in the following lines of the poem. (4marks)

- I. Line 2 .....
- II. Line 4 .....
- III. Line 8 .....
- IV. Line 12 .....

(b) Underline the letter(s) that you don't pronounce in each of the following words. (6marks)

- i. Wednesday

- ii. Guest
- iii. Campaign
- iv. Architect
- v. Knew
- vi. Hymn

(c) Fill in the blank space with the more appropriate word. (5marks)

- i) Everyone attended the ..... (fist, feast)
- ii) Look at your .....! Wash them before you come in. (feet, fit)
- iii) .....the door again. (pull, pool)
- iv) I will attend the lesson..... I miss a big opportunity. (lest, list)
- v) Planting one .....may be unnecessary at this time. (been, bean)

(d) Jane is believed to be a slow reader. Suggest **three** ways she can use to increase her reading speed. (3marks)

.....

.....

.....

.....

.....

(e) Read the riddling convention below and then identify the parts that follow. (6marks)

- Challenger:** Riddle, riddle!
- Respondent:** Riddle come.
- Challenger:** What is full of holes but still holds water?
- Respondent:** A rack
- Challenger:** You are wrong. Try again.
- Respondent:** A bed sheet.
- Challenger:** Give me a prize.
- Respondent:** We have given you a boat.
- Challenger:** The answer is a sponge.

- i. Guesses .....
- ii. Invitation .....
- iii. Solution .....
- iv. Pose .....

- v. Challenge .....

vi. Prize .....

**4. GRAMMAR 20MARKS**

(a) Use **a, an, the** to fill the blank space. (5marks)

- i. They are coming to .....party next weekend.
- ii. Did you buy .....new car yesterday?
- iii. I feel .....man over there is mad.
- iv. I watched ..... video you had sent me.
- v. He was wearing .....ugly shirt when we met.

(b) Use the most suitable form of the word in bracket to complete the sentence. (5marks)

- i) The boy is suffering from a very serious ..... (ill)
- ii) .....is what the teacher asks of us. (obey)
- iii) We thought .....had long been abolished. (slave)
- iv) Doing that work called for ..... (strong)
- v) He will pay for his ..... (cruel)

(c) Fill in the most suitable form of the verb in brackets. (5marks)

- i. The teacher .....the boy for coming to school late. (punish)
- ii. The teacher ..... you anytime you pass your exams. (award)
- iii. The little girl.....at the boy who fell down because she was sorry for him. (laugh)
- iv. They .....you from far last night. (see)
- v. One reason she is loved by all is that she .....lies. (tell)

(d) Rewrite by replacing the words in bold with their equivalent pronouns. (5marks)

- i. My name is Joseph and **Joseph** is a Nigerian.  
.....  
.....
- ii. We visit **my grandparents** often.  
.....  
.....
- iii. Let **Lencer** help you carry these bags.  
.....  
.....
- iv. Can **Kevin and I** help you throw away the flowers?  
.....  
.....

v. **Tom and Mary** have football practice.

.....  
.....

**FRENCH FORM ONE**

**MIDTERM 2 SET 1 2023 EXAM**

COMPREHENSION, GRAMMAIRE

L'ECRITURE

**Instructions to candidates**

1. Write your name and admission number in the spaces provided above.
2. Sign and write the date of examination in the spaces provided above.
3. This paper has two sections.
4. **This paper consists of 5 printed pages.**
5. **Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.**

**For Examiner's use only**

Section	Total marks	Candidate's Score
I	10	
II	60	
<b>TOTAL</b>	<b>70</b>	



**SECTION I: LES COMPREHENSIONS ECRITES**

**(10pts)**

**I. Read the comprehension below then answer the questions that follow (10 marks)**

**Passage I**

Je m'appelle Janice Pierre je suis seychelloise. Mon frère s'appelle Julian, il est informaticien. J'habite à Lomé au Togo. Mon ami s'appelle Lucille. Elle est très belle. Mon frère possède deux voitures, quatre maisons et trois beaux vélos, il a une belle piscine aussi.

i) Comment s'appelle le narrateur ?

.....

ii) Son frère s'appelle comment ?

.....

iii) Où se trouve Lomé ?

.....

iv) Décrivez Lucille .....

v) Janice travaille comme .....

vi) Quelle est la nationalité de Janice ?.....

vii) Qu'est-ce que Julian possède ?

i) .....

ii) .....

ii) .....

iv) .....

**SECTION II**

**2.Fill the blank spaces with an appropriate «article indéfini» un, une, des. (7pts)**

- 1) Ma mère a \_\_\_\_\_ oranges.
- 2) Je porte \_\_\_\_\_ chemise bleue. J'aime \_\_\_\_\_ chemises bleues.
- 3) Vous avez \_\_\_\_\_ livre de français ?
- 4) Michèle et Yvonne ont \_\_\_\_\_ robes longues.
- 5) Mon oncle a \_\_\_\_\_ tracteur. Mon père lui il a \_\_\_\_\_ camion.

**3.Use the correct 'pronom tonique' in the sentences below. (8pts)**

*moi,toi,lui,elle,nous,vous,eux,elles*

- 1) .....,elle est nouvelle.
- 2) .....,j'habite à Bamako.
- 3) ....., vous êtes un professeur de français.
- 4) ....., nous sommes perdus !
- 5) ....., elles ont des belles robes.
- 6) ....., tu as seize ans.
- 7) ....., ils ont des voitures de luxe.
- 8) ....., il est professeur de géographie.

**4.Complete the following sentences by conjugating the verb « être » correctly. (4 pts)**

- a) Je \_\_\_\_\_ étudiant de Booker.
- b) Ma mère \_\_\_\_\_ professeur de français.
- c) Vous \_\_\_\_\_ très intelligents.
- d) Est-ce qu'ils \_\_\_\_\_ étudiants ?

**5.Fill in the blank spaces using (les article defini: la, le, l', les. (4pts)**

- 1) Voici \_\_\_\_\_ voiture de Zuckenbergr : un vitz !
- 2) Il est \_\_\_\_\_ enseignant de français.
- 3) \_\_\_\_\_ chiens de Robert sont très méchants.
- 4) M. Omar conduit \_\_\_\_\_ bus de notre école.

**6.Complete using the correct form of the verb 'avoir'.(4pts)**

- 1) J'.....douze ans et vous?
- 2) Nous .....treize ans.
- 3) Tu ..... un poème ?
- 4) Vous .....quel âge ?

**7.Change the following into plural ( 5 marks)**

- a) Un crayon .....
- b) Une gomme .....
- c) Une cravate .....
- d) Un livre .....
- e) Une fille .....

**8.Conjugate the following verb in the present tense. (4 pts)**

<<Avoir>>

J'	_____	Nous	_____
Tu	_____	Vous	_____
Il	_____	Ils	_____
Elle	_____	Elles	_____

**9.Complete the following sentences using the appropriate conjugation of the verb «s'appeler». (5pts)**

- 1) Je \_\_\_\_\_ Willie Paul.
- 2) Comment tu \_\_\_\_\_ ?
- 3) Elles \_\_\_\_\_ Emma et Doris.
- 4) Nous \_\_\_\_\_ les étudiants.
- 5) Comment vous \_\_\_\_\_, Monsieur ?

**10.Write the following numbers in words. (in french) (10pts)**

- a) 10 - \_\_\_\_\_
- b) 5 - \_\_\_\_\_
- c) 9 - \_\_\_\_\_
- d) 22 - \_\_\_\_\_
- e) 30 - \_\_\_\_\_
- f) 36 - \_\_\_\_\_
- g) 12 - \_\_\_\_\_
- h) 1 - \_\_\_\_\_
- i) 2 - \_\_\_\_\_
- j) 11 - \_\_\_\_\_

**11. Write down any five greetings you know. (5pts)**

- a) \_\_\_\_\_
- b) \_\_\_\_\_
- c) \_\_\_\_\_
- d) \_\_\_\_\_
- e) \_\_\_\_\_

**12. Name four linguistic blocks. (4pts)**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_



KENYA CERTIFICATE OF SECONDARY EDUCATION

**GEOGRAPHY FORM ONE**

**MIDTERM 2 SET 1 2023**

NAME: \_\_\_\_\_ STREAM \_\_\_\_\_ DATE: \_\_\_\_\_  
SCHOOL \_\_\_\_\_

## SECTION A

1. (a) Give two Greek words from which the term geography was coined. (2mks)  
(b) Define the term geography. (2mks)
2. (a) What is environment? (2mks)  
(b) Describe the following types of environment giving example in each case. (4mks)
3. (a) Name three main components of the universe. (3mks)  
(b) Apart from the moon, give two other natural satellites. (2mks)
4. (a) Explain the relationship between geography and mathematics. (2mks)  
(b) Name three study areas under human geography. (3mks)
5. State five reasons why the study of geography is important. (5mks)

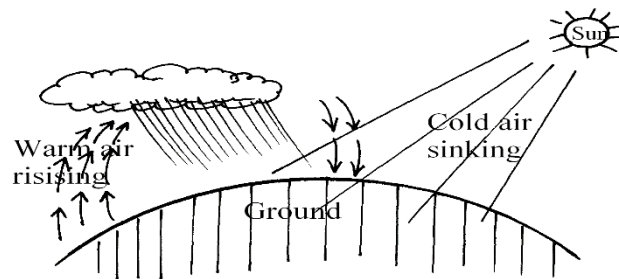
SECTION B

Answer all the questions in this section

6. (a) (i) What is a weather station? (2mks)

(ii) State four factors considered when citing a weather station. (4mks)

(b) The diagram below show the formation of some type of rainfall .Use it to answer questions (i) and (ii)



(i) Name the type of rainfall shown by this diagram. (1mk)

(ii) Name the type of cloud marked. (1mk)

(iii) List three weather conditions associated with the above named type of rainfall. (3mks)

(iv) Give two factors that influence rainfall. (2mks)

(c) (i) Define the term humidity. (2mks)

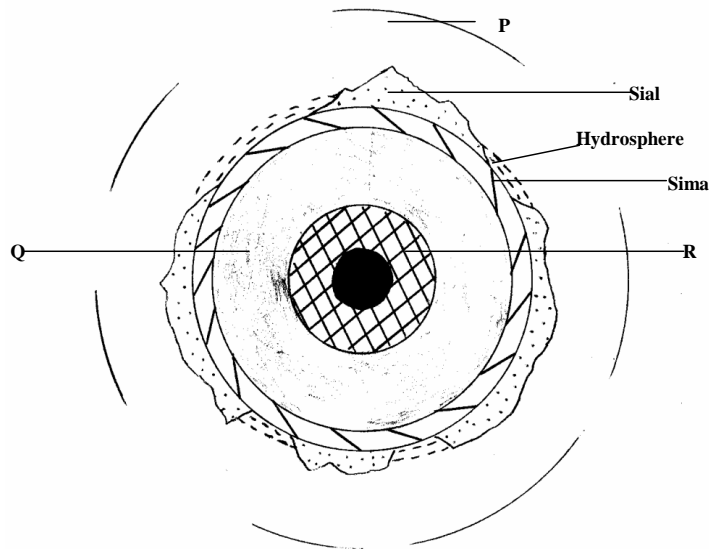
(ii) Name two types of humidity. (2mks)

(iii) Explain three roles of moisture in the atmosphere. (6mks)

(d) State three factors that influence air temperature. (3mks)

7. (a) State three effects of the revolution of the Earth on its Orbit. (3mks)

(b) The diagram below shows the structure of the Earth. Use it to answer questions below:



(i) Name the parts marked **P, Q** and **R** (3mks)

(ii) State three characteristics of the earth's oceanic crust (sima) (3mks)

(iii) State four proofs that the earth is spherical. (4mks)

(b) (i) Identify the shape of the earth. (2mks)

(ii) The time at Conakry (Guinea)  $10^{\circ}$  W is 10.00am. What is the time at Mogadishu  $37^{\circ}$ E? (2mks)

(c) (i) Identify **two** types of high level clouds. (2mks)

(ii) Identify any **three** characteristics of troposphere. (3mks)





**KENYA CERTIFICATE OF SECONDARY EDUCATION**  
**HISTORY AND GOVERNMENT FORM ONE**  
**MIDTERM 2 SET 1 2023**

NAME \_\_\_\_\_ DATE \_\_\_\_\_  
ADM \_\_\_\_\_ STREAM \_\_\_\_\_  
SCHOOL \_\_\_\_\_

**INSTRUCTIONS TO CANDIDATES**

- This paper has **two** sections: A and B
- Answer **ALL** questions in section A and **Section B**
- All answers **MUST** be written in the Foolscap papers provided.

Section A	Question	Maximum score	Candidates Score
	1- 14	<b>25</b>	
Section B	15	<b>15</b>	
	16	<b>15</b>	
	17	<b>15</b>	
	18	<b>10</b>	
<b>TOTAL</b>		<b>80</b>	

## **SECTION A (25 MARKS)**

### **ANSWER ALL THE QUESTIONS**

1. Give the meaning of history. (1 mark)
2. State one characteristics of a historical event. (1 mark)
3. Name two main sources of information on history and government (2 marks)
4. State two disadvantages of relying on oral traditions as a source of history. (2 marks)
5. Identify two sources of Kenyan history (2 marks)
6. Give two reasons for studying Government. (2marks)
7. Identify one branch in the study of History and Government of Kenya ( 1 mark)
8. Give two forms of Oral traditions, (2marks)
9. Give two limitations of using anthropology as a source of information on History and Government.(2 marks)
10. State two ways in which the study of History and Government promotes a sense of patriotism in the learner.( 2 marks)
11. Give two ways in which archaeologists identify a pre-historic site. (2 marks)
12. Identify one chemical method of dating fossils 1 mark)
13. Identify two pre-historic sites where the remains of Kenyapithecus were discovered.(2 marks)
14. Identify two theories which explain the origin of man. (2 marks)

**SECTION B (55 MARKS)**

**ANSWER ALL THE QUESTIONS**

15 a) Name three- historic sites in Kenya. (3 mks)

b) Explain six uses of fire by Early Man. (12mks)

16 a) State three theories why Evolution theory was not readily accepted (3 marks)

b) Explain six reasons why Africa is considered as original place where man probably lived first/cradleland(12 marks)

17a) Identify three species of Homo Sapiens (3 marks)

b) Describe the culture of man during the Late/new stone age (12 marks)

18a) Mention any two arms of government (2 marks)

b) Describe four types of government (8 marks)

KENYA CERTIFICATE OF SECONDARY EDUCATION

HOME SCIENCE FORM ONE

MIDTERM 2 SET 1 2023 EXAM

NAME: \_\_\_\_\_ STREAM \_\_\_\_\_ DATE: \_\_\_\_\_

INSTRUCTIONS

- This paper consists of three sections A, B and C.
  - Answer **ALL** questions in section A, Question 20 (Compulsory) in B and the **TWO** questions in C
- For Examiners use only.**

Section	Question	Maximum Score	Candidates Score
A	1-19	40	
B	20	20	
C		40	
<b>Total</b>		<b>100 marks</b>	

*This paper consists of 10 Printed pages.*

*Students should check the question paper to ensure that all the*

*Papers are printed as indicated and no questions are missing.*

SECTION A (40 MARKS)

*Answer all the questions in the section in the spaces provided.*

1. List down **three** types of skin. (1½ marks)

.....  
.....  
.....

2. Other than Mathematics, name **four** subjects related to Home Science. (2 marks)

.....  
.....  
.....  
.....

3. The tooth is made up of how many parts. Name any **four**. (2 marks)

.....  
.....  
.....  
.....

4. State **four** functions of the human skin. (4 marks)

.....  
.....  
.....  
.....  
.....  
.....

5. Mention **three** advantages of taking Home Science as a student. (3 marks)

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.....

6. Mention **four** ways a student can enhance personal appearance. (2 marks)

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7. Give **two** reasons why the sebaceous gland is important in relation to a healthy skin. (2 marks)

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8. State **three** things that a good posture helps to eliminate. (3 marks)

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9. Give **three** causes of blackheads/whiteheads. (1½ marks)

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10. Give **two** functions of the pigment Melanin found in the skin. (2 marks)

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.....  
.....  
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11. Suggest **four** causes of shock. (2marks)

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.....  
.....

12. Highlight **three** reasons for keeping a house well lit. (3 marks)

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.....  
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.....  
.....

13. What **two** practices would cause tooth decay in an individual? (2 marks)

.....  
.....  
.....  
.....

14. List down **two** situations when it is necessary to use a mouthwash. (1 mark)

.....  
.....  
.....

15. Differentiate between a fracture and a sprain. (2 marks)

.....  
.....  
.....  
.....

16. Outline **two** ways of avoiding bites and stings. (2 marks)

.....  
.....  
.....

17. Write down the following abbreviations in full. (1 mark)

a) AIDS

.....

b) HIV

.....

18. Give **four** items in a First Aid box that can be used to manage a cut. (2 marks)

.....  
.....  
.....  
.....

19. Mention **four** things that can cause choking in a young child. (2 marks)

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.....  
.....  
.....



**SECTION B (20 MARKS)**

**COMPULSORY**

**Answer all sections of this question in the spaces provided.**

20. You are preparing for end of term closing in readiness to go home.

- a) Outline the procedure you will follow in cleaning your toothbrush. (5marks)

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- b) Write down the steps you will follow to clean your fast coloured towel. (7 marks)

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- c) Outline the procedure you will follow to clean the muddy black canvas shoes with laces you have been using for sports. (8marks)

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**SECTION C (40 MARKS)**

**Answer the TWO questions from this section on the space provided after the questions.**

**Each question should be started on a clean page.**

21.

- a) Explain the functions of the following parts of the skin. (6marks)
- i) Blood capillaries

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ii) Sweat glands

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iii) Nerve endings.

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b) Explain **three** points on care of underwear. (6marks)

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c) Mention **four** ways of avoiding skin infections. (4marks)

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d) Explain **two** reasons why students wear socks. (4marks)

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22.

a) Highlight **four** qualities of a good pair of school shoes. (6marks)

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b) Mention **five** causes of poisoning at home. (5marks)

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c) Outline **five** benefits of drinking water for a teenager. (5marks)

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d) Give **four** reasons why children should not be left alone in the house. (4marks)

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**KENYA CERTIFICATE OF SECONDARY EDUCATION**  
**IRE FORM ONE**  
**MIDTERM 2 SET 1 2023 EXAM**

NAME: \_\_\_\_\_ STREAM \_\_\_\_\_ DATE: \_\_\_\_\_

**INSTRUCTIONS:**

1. *This paper contains five (5) questions.*
2. *Answer all questions*
3. *Write your answers in the answer sheet provided.*
4. *All answers must be in English.*

1. a) Give the technical meanings of the following terms: (4 mks)
  - i. Qur'an
  - ii. Hadithb) State the pillars of Islam (5mks)  
c) Mention where each of the following surahs was revealed: (3mks)
  - i. Fatiha
  - ii. Nasr
  - iii. Fild) State five reasons why Allah (SWT) revealed the Qur'an to Prophet Muhammad (pbuh) in portions. (5mks)
- 2 a) State three other names of suratul fatiha (3 mks)  
b) Identify the groups of people who are not in a loss according to surah A-Asr. (4mks)  
c) Mention the importance of the Qur'an to mankind. (5mks)  
d) State the lessons a Muslim can learn from Surah Al-Fil. (6mks)
- 3 a) Explain four ways through which hadith evolved. (8 mks)  
b) State the importance of hadith in the life of a Muslim (6mks)  
c) Identify the attributes of Allah mentioned in Suratul Fatiha (3 mks)
- 4 a) How does shirk affect Muslims? (10mks)  
b) Explain five importance of believing in the oneness of Allah. (10mks)  
c) Describe the steps in the performance of Tayammum. (4mks)
- 5 a) Explain four significance of swalatul jamaa to Muslims. (8 mks)  
b) Differentiate between swalatul Jum'aa and the five daily swalat. (10mks)  
c) What are the conditions of paying zakat? (6marks)

KENYA CERTIFICATE OF SECONDARY EDUCATION

KISWAHILI KIDATO CHA KWANZA

MIDTERM 2 SET 1 2023 EXAM

NAME: \_\_\_\_\_ STREAM \_\_\_\_\_ DATE: \_\_\_\_\_

Maagizo:

1. Jibu maswali yote.
2. Majibu yote yaandikwe katika nafasi ulizoachiwa katika karatasi hii ya maswali
3. Majibu yote lazima yaandikwe kwa lugha ya Kiswahili
4. Karatasi hii ina kurasa 8 zilizopigwa chapa
5. Watahiniwa lazima wahakikishe kuwa kurasa zote za karatasi hii zimepigwa chapa sawasawa na kuwa maswali yote yamo.

*Kwa matumizi ya mtahini pekee*

SEHEMU	UPEO	ALAMA
A. UFAHAMU	20	
B. MATUMIZI YA LUGHA	40	
C. ISIMUJAMII	10	
D. FASIHI SIMULIZI	10	
JUMLA	80	

## SEHEMU A: UFAHAMU (ALAMA 20)

Wageni waheshimiwa, makasisi kutoka majanibu mbalimbali, madiwani na wote mliofika hamjambo? Ninawashukuru nyote kwa jitihada zenu kufika hapa ili kusherehekea siku ya watoto duniani. Sherehe hii ni muhimu sana kwani itawaelimisha wazee kwa vijana , waume kwa wake na hata watoto.

Watoto ni hidaya tupewayo na Maulana na tuna wajibu wa kuwalinda na kuwakidhia mahitaji yao. Watoto kama viumbe wengine, wanafaa kuonyeshwa upendo na wao pia watajifunza kuonyesha upendo huo kwani samaki mkunje angali mbichi.

Mzazi yeyote yule anastahili kujua kwamba watoto wana haki ya kulishwa vyema , kuvishwa vyema na kupata mahala pazuri pa kuishi na kupumzika wakati uchovu umewazidi. Ni jambo la huzuni kutawaliwa na ubinafsi kwani humfanya mzazi kutomjali mtoto hata kidogo. Tabia kama hii lazima ikomeshwe kwani si vyema kumleta mtoto duniani kisha ukose kumtimizia mahitaji yake.

Elimu ni muhimu katika maisha ya kila binadamu. Hivyo basi watoto wafikapo umri wa kwenda shule hawana budi kupelekwa. Wazazi wasiwapeleke watoto shuleni kwenda kuhangaika huko bali nawasihi mhakikishe kuwa mahitaji yao ya shuleni yametoshelwa. Elimu hii itawafanya watoto hawa wawe viongozi bora wa taifa la kesho. Iwapo hatutawapa mafunzo tosha basi hapana shaka kuwa taifa la kesho halitakuwa na ustawi. Natumai mmebaini kuwa elimu ndio urithi mkubwa mzazi anaweza kumwachia mwanawe.

Binadamu yeyote yule ana uwezo wa kufikiria na kuamua jambo. Watoto kama binadamu kamili wana haki ya kusikizwa. Wazazi tuwasikize wana hawa kwani hata katika huo utoto wao wana jambo la kutekeleza, tuwaelekeze na wala tusiwaamulie kwani kuwaamulia mambo bila hiari yao tutaishia ningalijua kama isemwavyo majuto ni mjukuu.

Jambo ambalo hunikera zaidi ni jinsi tunavyowadhalalisha watoto wetu. Je mtoto anauwezo wa kufanya kai ya shokoa? Wazazi mbona, tunawaingiza watoto hawa katika uwanja wa ajira na wangali wakembe? Watoto hawa wanaofanya kazi hizi za sulubu mara nyingi hupatwa na ugongo mbalimbali. Miili yao ingali changa na haiwezi kuhimili uzito huo wa kazi. Watoto natumai mnanielewa vyema, sisemi mkatae kuwasaidia wazazi nyumbani bali msikubali kuajiriwa.

Ikiwa sisi sote tutashirikiana bega kwa bega kuhakikisha watoto wanapata haki zao basi dunia itakuwa pahali pa kuishi. Kwa hayo machache Mungu awabariki. Ahsanteni.

### MASWALI.

1. Toa anwani mwafaka kwa makala haya.  
(alama 3)

.....  
.....

2. Mwandishi anamaanisha nini kwa kusema watoto ni hidaya?  
(alama 2)



.....  
 .....  
 3. Kwa nini sherehe hii ilikuwa muhimu?  
 (alama 2)

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 .....  
 .....

4. Taja haki tatu za watoto zilizotajwa katika makala. (alama 3)

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 .....  
 .....

5. Taja methali mbili zilizotumiwa katika taarifa (alama 2)

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 .....

6. Toa maana ya semi hizi:  
 (alama 2)

a. Kazi ya shokoa.

.....  
 .....

b. Bega kwa bega .

.....  
 .....

7. Watoto wanashauriwa kufanya nini?  
 (alama 3)

.....  
 .....

8. Taja neno lingine lenye maana sawa na:

a. Maulana.  
 (alama 1)

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 .....

b. Nawasihi.  
 (alama 1)

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a. Kiswahili ni nini?  
(alama 1)

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b. i) Eleza maana ya ala ya kutamkia  
(alama 1)

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ii) Tambua na ueleze aina mbili za ala za kutamkia  
(alama 2)

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c. Taja vipashio vya lugha kuanzia kidogo hadi kikubwa  
(alama 2)

.....  
.....  
.....

d. Eleza sifa za konsonanti zifuatazo kwa kuzingatia kigezo cha namna ya kuzuilia hewa  
zinapotamkwa (alama 2)

i./b/

.....  
.....  
.....

ii. /f/

e. Irabu /o/ na /u/ zina sifa moja bainifu. Itaje.  
(alama 1)

.....  
.....

f. Onyesha miundo ya silabi katika maneno:  
(alama 2)

‘mwanamke’

.....  
.....  
chura  
.....

g. Weka nomino zifuatazo katika ngeli zifaazo:  
(alama 2)

i. Kibyongo.

.....

ii. karatasi

h. Tunga sentensi tatu tofauti kuonyesha kiimbo  
(alama 3)

i. i)Taja na ueleze aina zozote sita za maneno katika Kiswahili  
(alama 3)

ii) Tambua aina za maneno katika sentensi ifuatayo  
(alama 3)

Wewe mkorofi ulijificha chini ya mti asubuhi.

j. Unda nomino kwa kila neno ulilopewa.  
(alama 2)

i.soma

ii. hujumu

k. Eleza maana mbili tofauti za sentensi zifuatazo:  
(alama 2)

Alimpigia mpira.

l. Akifisha sentensi ifuatayo;  
(alama 2)

babake musa alimnunulia mwanawe kalamu kitabu na mkoba mpya

m. i) Kiambishi ni nini?  
(alama 1)

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ii) Tambua aina mbili za viambishi  
(alama 2)

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.....  
n. Tambua mzizi wa kitenzi kifuatacho:  
(alama 1)  
Alisoma.

.....  
o. Kanusha sentensi zifuatazo:  
(alama 2)

i. Alisoma chini ya mti

.....  
ii. Unapenda kuimba sana.

.....  
p. Tunga sentensi kutofautisha maana ya:  
(alama 2)

i. Uga na unga.

.....  
q. Andika sentensi zifuatazo kwa wingi :  
(alama 2)

i. Usipoziba ufa utajenga ukuta

.....  
ii. Nilimwona mama mzee chuoni.

.....  
r. Andika kisawe cha *mwanafunzi*  
(alama 1)

.....  
s. Mlafi kama fisi, mkaidi kama.....  
(alama 1)

SEHEMU C: ISIMU JAMII (ALAMA 10)

a. Eleza maana ya isimujamii  
(alama 2)

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.....  
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b. Kwa nini isimujamii inafunzwa katika shule za sekondari?  
(alama 4)

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c) Lugha ina umuhimu upi katika jamii?  
(alama 4)

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SEHEMU D: FASIHI SIMULIZI (ALAMA 10)

A. Fafanua msamiati ufuatao  
(alama 4)

i.fasihi.....  
.....  
.....

ii.sanaa.....  
.....  
.....

iii.fasihi  
simulizi.....  
.....  
.....

iv.fasihi  
andishi.....

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.....

.....  
B. Tambua umuhimu wa fasihi simulizi katika jamii  
(alama 6)

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KENYA CERTIFICATE OF SECONDARY EDUCATION

**MATHEMATICS FORM ONE**

**MIDTERM 2 SET 1 2023 EXAM**

NAME: \_\_\_\_\_ STREAM \_\_\_\_\_ DATE: \_\_\_\_\_

**INSTRUCTIONS TO CANDIDATES**

1. Write your name and admission number in the spaces provided at the top of this page.
2. This paper consists of two sections: **Section I and Section II.**
3. Answer **all** questions in **section I** and **Section II.**
4. Show all the steps in your calculations, giving your answers at each stage in the spaces below each question.
5. Marks may be given for correct working even if the answer is wrong.
6. **KNEC** Mathematical tables may be used.

**For Examiner's Use Only**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total

17	18	19	20	21

**Grand**

**Total**

--

**SECTION I (50 Marks)**

1. Evaluate

(3 marks)

$$\frac{3 \times 3\frac{2}{5} - 2 \times 2\frac{1}{3}}{3\frac{2}{5} + 2 \times 2\frac{1}{3}}$$

2. Express the following number as a product of its prime factors and leave your answer in power form

(3 marks)

2601

3. Express the recurring decimal below to a fraction  $0.\dot{3}$  and leaving your answer in the form  $\frac{a}{b}$  where **a** and **b** are whole numbers

(3 marks)



4. A small scale poultry farmer packs eggs for sale in boxes of 6, 12 or 18 eggs. What is the smallest number of eggs that can be packed? (3 marks)
5. a) Write down the prime numbers between **20 and 30** in descending order (1 mark)
- b) Round off the number formed in (a) above to the nearest 100 (1 mark)
- c) Write down the number formed in (a) above in words (1 mark)
6. Classes in a school start at 8:20 am and end at 4:20 pm. Tea and lunch breaks take a total of two hours. How long do the lessons take? (2 marks)
7. What is the total value of the underlined digit
- a) 389,410,000,245 (2 marks)
- b) 2657 (1 mark)

8. A shopkeeper sells a shirt for Sh. 450, and makes a 10% loss .For how much should he sell the shirt in order to make a 20% profit? (3 marks)
9. a) When is a number said to be divisible by **two** (1 mark)
- b) Underline two numbers which are divisible by two (2 marks)
- 1002, 253,256,111125789
10. Round off the following numbers into the value in brackets.
- i. 5 124 (100) (1 mark)
- ii. 32 789 (1 000) (1 mark)
- iii. 3 099 202 897 (10 000 000) (1 mark)
11. A cylinder has a volume of  $550\text{cm}^3$  .If the height of the cylinder is  $70\text{cm}$  ,find its diameter.  
(Take  $\pi = \frac{22}{7}$ ) (3 marks)
12. Find the greatest number which can divide 181 and 236 leaving a remainder of **5** in each case . (3 marks)

13. Work out the following using a number line.

a)  $(-7) + (-2) + (+6)$

(2 marks)

b)  $(-9) - (+12)$

(2 marks)

14. Use the prime factorisation method to find the square root of 2401

(3 marks)

15. The product of two number is  $\frac{2}{7}$ . *If one of them is  $\frac{8}{21}$ , find the other number*

(3 marks)

16. Evaluate

a) 
$$\frac{-8 \div 2 + 12 \times 9 - 4 \times 6}{56 \div 7 \times 2}$$

(3 marks)

b)  $0.04 \times 10 \div 8 - 28 + 90$

(2 marks)

**SECTION B (50 Marks)**

17. a) Simplify the following expression  $\frac{2x-5}{4} - \frac{1-x}{3}$  (3 marks)

b) Find the value of  $x$  in the equation  $3x + 2(x + 1) = 4$  (2 marks)

c) A father is 3 *times* as old as his son .Write an expression for the sum of their ages five years ago if the son is  $x$  *years* old now (2 marks)

d) Find the value of  $\frac{4x - \sqrt{y^2}}{2x}$  if  $x = 4$  and  $y = 6$  (3 marks)

18. a) Write the numbers below in words

(3 marks)

(i) 48,677,395

(ii) 2,499

(iii) 524,239

b) What is the place value of the underlined number?

(2 marks)

(i) 0.01258

(ii) 74,379,652,137

c) Otieno had 3469 bags of rice, each weighing 90kg. He sold 2654 of them.

(i) How many kilograms of rice was he left with?

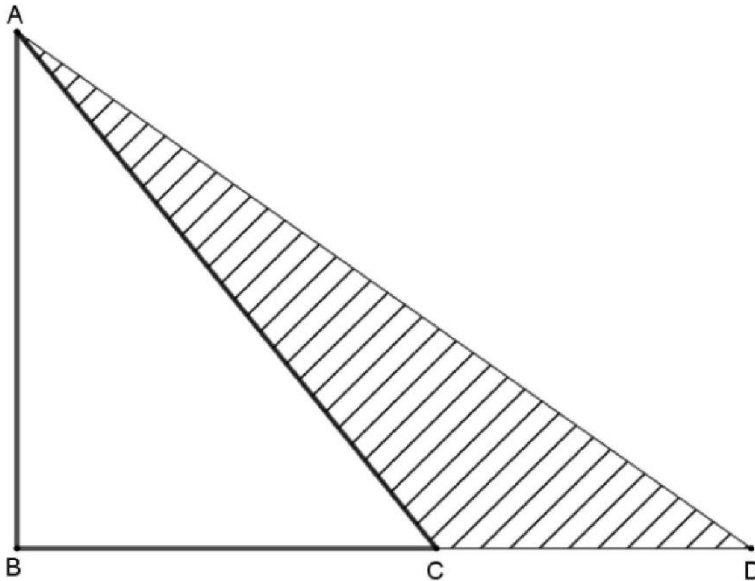
(2 marks)

(ii) If he added 468 more bags of rice, how many bags did he end up with ? (1 mark)

d) Work out  $3(75 + 32) + 5(35 + 60)$

(2 marks)

19. The figure below shows a triangle, measurements in centimetres. Given that  $AB = 10$  cm,  $BC = 9$  cm and  $CD = 8$  cm;



Determine;

- i. The area of triangle ABC. (2 marks)
  
- ii. The area of triangle ABD. (2 marks)
  
- iii. The area of the shaded region. (2 marks)
  
- iv. The perimeter of the triangle ACD. (4 marks)

20. a) Use tables of squares to evaluate

i)  $4.92^2$  (1mark)

ii)  $0.0674^2$  (2marks)

iii)  $20.36^2$  ( 2marks)

b) Use square root tables to evaluate

i)  $\sqrt{69.78}$  (1mark)

ii)  $\sqrt{0.005792}$  (2marks)

iii)  $\sqrt{486.4}$  (2 marks)

21. a) A tailor used  $2.15\text{ m}$  of material to make a dress,  $1.8\text{m}$  to make a skirt and  $0.75\text{m}$  to make a blouse .How much cloth did he use? (2 marks)

b) The total mass of two pigs and 12 goats is  $241.64\text{ kg}$ . The mass of the two pigs is  $145.36\text{kg}$  .Find the average mass of each goat to nearest  $1\text{kgs}$ . (3 marks)

c) Evaluate  $0.02 + 3.5 \times 2.6 - 0.1(6.2 - 3.4)$  (2 marks)

d) Work out  $1.532 \div 4$  (1 mark)

e) Multiply each by the number in bracket

a)  $0.090256$  (**10,000**) (1 mark)

b)  $5.16$  (**100**) (1 mark)



# PHYSICS FORM ONE

## MIDTERM 2 SET 1 2023 EXAM

NAME: \_\_\_\_\_ STREAM \_\_\_\_\_ DATE: \_\_\_\_\_

### INSTRUCTIONS TO CANDIDATES

1. Write your name and AdmNo in the spaces provided above
2. Answer all questions in the spaces below each question.
3. For numerical questions, show all your working
4. Maths table may be used for calculation

Questions	Max score	Candidate score
1	7	
2	8	
3	8	
4	19	
5	7	
6	5	
7	5	
8	8	
9	7	
10	6	
TOTAL	80	

1. (a) Define physics (1mk)

(b) Give three examples of natural phenomena in which physics can be used to explain their occurrence (3mks)

(c) State any three activities one is engaged in when conducting an experiment in physics (3mks)

2. (a) Name five (5) major branches of physics (5mks)

(b) Explain how physics is related to the following subjects (3mks)

i. History

ii. Mathematics

iii. Home science

3. (a) Define Laboratory (2mks)

(b) List down any three basic requirements for a working school laboratory (3mks)

(c.) Explain the first aid measures to be undertaken if the following calamities / accidents befall a student.

a. Cuts (1mk)

b. Eye damage (1mk)

c. Electric shock (1mk)

4. (a) The following table shows some basic physical quantities in PHYSICS.

Fill in the blank spaces (4mks)

Basic physical quantities	SI Unit	Symbol of unit
Length		
		Kg
	Seconds	
	Kelvin	

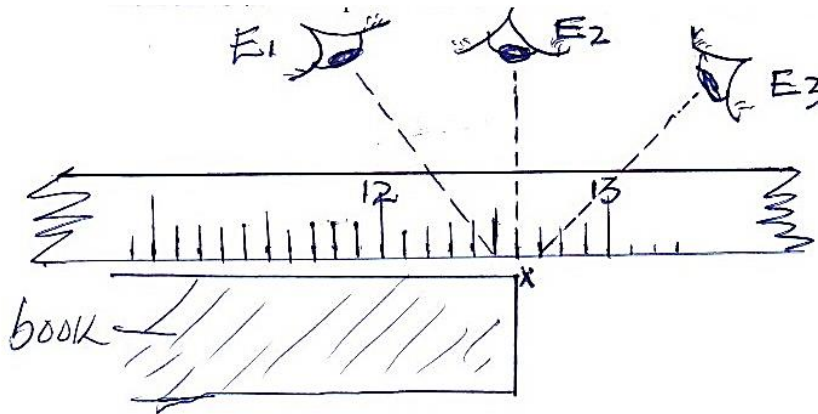
(b) Show how the named derived quantities are derived from the basic physical quantities.

a. AREA (2mks)

b. VOLUME (2mks)

c. DENSITY (2mks)

(c) A form one student used a metre rule to measure the width of a textbook as Shown below. Point x is the end point of the text book from where the student read the width.



- i. From which position did he read the correct width of the text book? (1mk)
- ii. State the correct width he read (1mk)
- iii. Which is the name of the error he would engage in if he used any of the other two positions (1mk)

(d) A form one student was asked to estimate the circumference of a cylinder using, a thin thread and a meter rule. Describe using a diagram how he measured and estimated the circumference (6mks)

5. (a) Define density and state it's SI units (2mks)

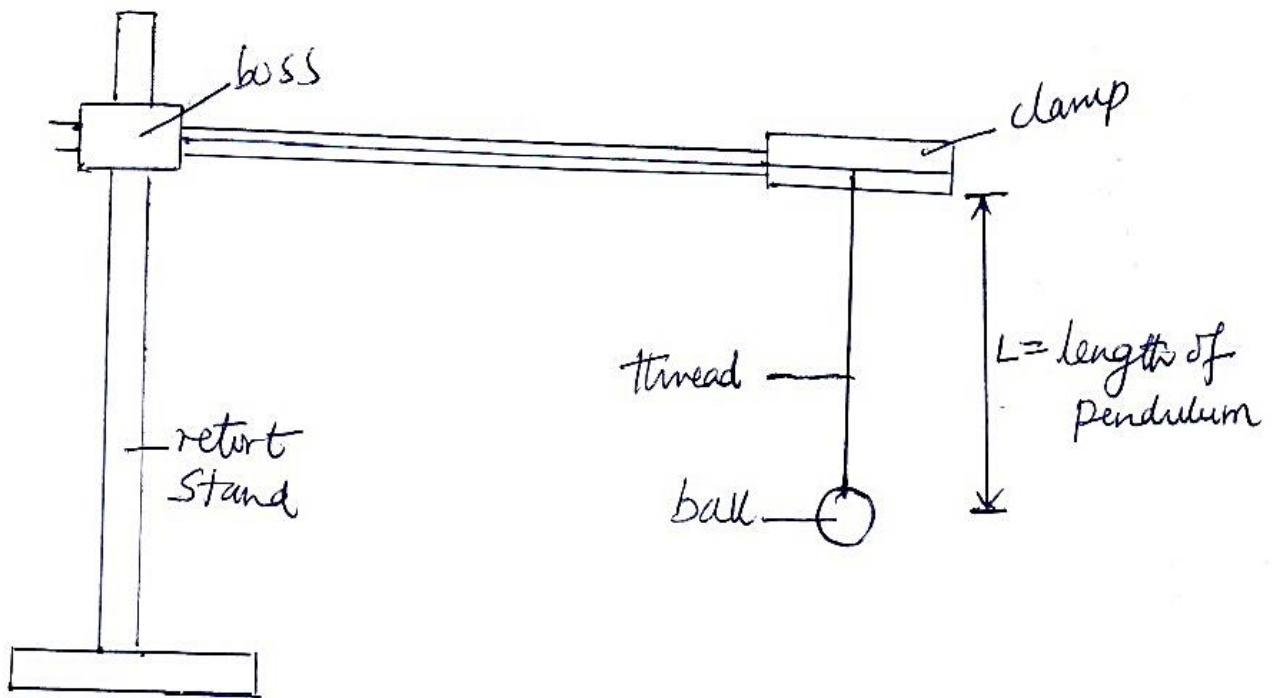
(b) A block of glass of mass 240g is 5cm long, 2 cm thick and 8 cm high.

Determine:

a. The volume of the block (2mks)

b. The density of the glass block in  $\text{kg/m}^3$  (3mks)





She timed 3 times for the time taken to complete 10 oscillations and recorded in the table below.

Trial	1	2	3
Time taken for 10 oscillations (sec)	5.5	5.6	5.7

Calculate

- a. Average time for 10 oscillations (1mk)
  
  - b. Time taken to complete one oscillation (2mks)
8. (a) Define force, stating its SI units (2mks)
- 
- (b) Draw and name the instrument used to measure a force (3mks)

(c) State three (3) effects of a force on a body. (3mks)

9. (a) Define the following types of forces

a. Cohesion (1mk)

b. Adhesion (1mk)

(b) State 2 factors affecting surface tension (2mks)

(c) List down three differences between Mass and weight in the table below (3mks)

<b>Mass</b>	<b>Weight</b>



--	--

10. The weight of an object on the Earth's surface is 400N.

a. Calculate its mass ( $g=10\text{N/kg}$ ) (2mk)

b. The same object weighed 68N on the surface of the moon. Calculate gravitational field strength of the moon (2mks)

11. Show diagrammatically how forces of 13N and 8N can be combined to give a resultant force of

a. 21N (1mk)

b. 5N (1mk)