CHAMPIONS JET PREMOCK

KCSE 2025 SERIES

ALL SUBJECTS

Encyclopedic evaluation of the test questions expected to be included in the KCSE 2025 exams. Those who engage with this compilation will discover a hidden gem that is unquestionably insightful, we are sure of it. This clearly indicates that the KCSE 2025 Exams will focus on the following questions.

SUBJECTS COMPILED;

Mathematics, English, Kiswahili, Biology, Chemistry, Physics, CRE, IRE, Geography, History, Business Studies, Agriculture, Home-science & Computer Studies.

SUCCESS!

For Marking Schemes

Mr Isaboke 0746-222-000 / 0742-999-000

MWALIMU CONSULTANCY

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

BIOLOGY

231/1 (THEORY)
PAPER 1
TIME: 2 HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS

1. *All Questions are Compulsory*
2. *Write your Answers in the Spaces Provided*
3. *Wrong Spelling of Technical Terms shall be Penalized*

FOR EXAMINER'S USE ONLY

Max Score	Student's Score
80	

QUESTIONS

1. Give a reason why the following precautions should be adhered to during collection of specimens.

a) Not harming or killing the specimen unnecessarily. **(2marks)**

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……

b) Not destroying its natural habitat. **(1mark)**

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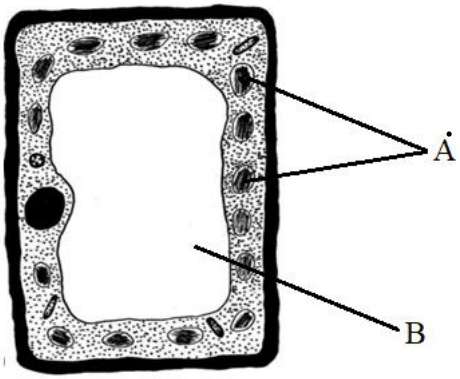
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2. State two functions of the cell sap. **(2marks)**

……

……

3. The diagram below represents a cell.



a) Name the parts labelled **A and B.** **(2marks)**

A-

B-

b) Suggest why the structures labelled A would be more on one side than the other. **(1mark)**

……

……

4. The number and distribution of the stomata on three different leaves are as shown in the table below.

leaf	Number of stomata	
	Upper epidermis	Lower epidermis
A	300	0
B	150	200
C	02	13

a) Suggest the possible habitat of the plants from which the leaves A and C were obtained.

(2marks)

A-

C-

b) Suggest the modification found in the stomata of leaf C. **(1mark)**

……

……

5. a) Distinguish between homodont and heterodont dentition. **(1mark)**

Homodont	Heterodont

b) What is the functions of carnassial teeth? **(1mark)**

……

c) A certain animal has no incisors, no canines,6 premolars, and 6 molars on its upper jaw. In the lower jaw there are incisors ,2 canines,6 premolars and 6 molars. Write down its dental formula. **(2marks)**

6. The diagram below represents a type of a tooth found in human being



a) With a reason give the identity of the tooth. **(2marks)**

Type-

Reason-

7. How are the xylem vessels adapted for support? **(1mark)**

……

……

8. Name the end products of light stage in photosynthesis. **(2marks)**

……

……

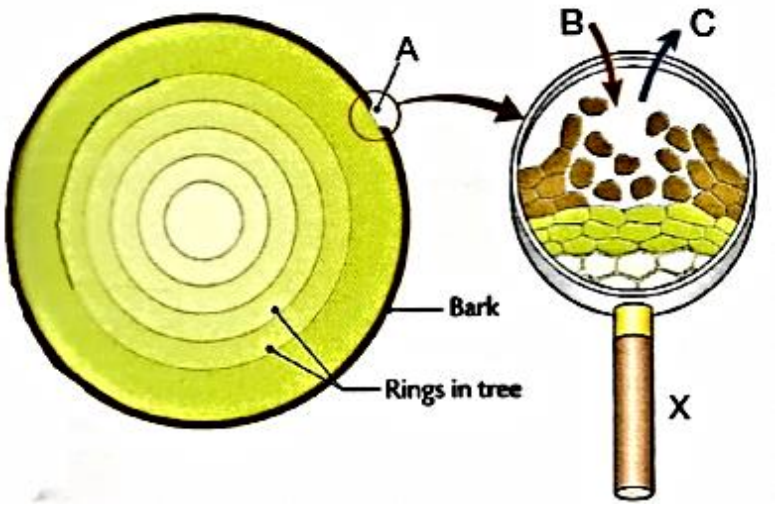
9. Why does transport fluid in insects lack pigment equivalent to haemoglobin? **(2marks)**

……

……

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10. The diagram below shows a gaseous exchange structure in the stems of angiosperms.



Name;

a) Part labelled A. **(1mark)**

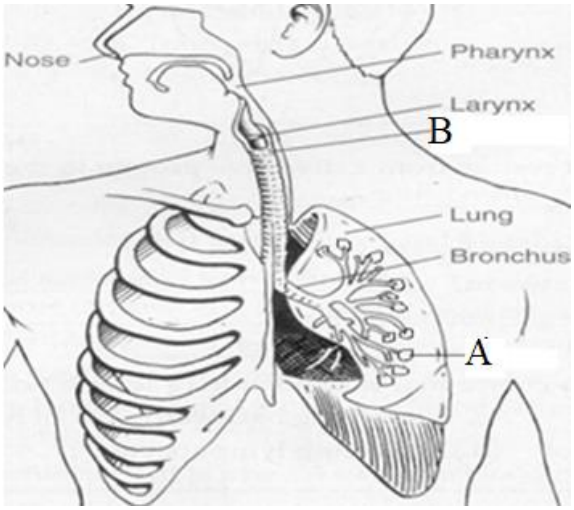
b) Apparatus X. **(1mark)**

c) Substances represented by arrows B and C. **(2marks)**

B-

C-

11. (a)The diagram shows some structures in the human breathing system. **(2marks)**



(a) Name structures **A and B.** **(2 marks)**

A -

B -

(b) The table shows the level of two gases, X and Y, in blood entering and leaving the lungs during the process of gas exchange.

Gas	Level of gas in cm^3 per $100cm^3$ of blood	
	Blood entering lungs	Blood leaving the lungs
X	10.6	19.0
Y	58.0	50.0

(i) Identify the two gases. **(2marks)**

Gas X -

Gas Y –

12. In an experiment on respiration, a rat was observed to have inhaled 295cm^3 of oxygen and exhaled 300cm^3 of carbon (IV)oxide in ten minutes.

a) Calculate the respiratory quotient for activity in the experiment. **(2marks)**

b) Identify the possible food substance consumed by the mouse. **(1mark)**

……

c) State the fate of excess food named in (b) above in human body. **(2marks)**

……

……

13. a) A person consumes a lot of sugar in tea. Briefly explain the feedback mechanism in order to bring the sugar level to normal. **(3marks)**

……

……

……

……

b) What causes diabetes insipidus? **(1mark)**

14. Animals have complex excretory organs as compared to the plants. Explain. **(2marks)**

……

……

……

15. Explain the immediate reaction of the body bathed in cold water. **(2marks)**

……

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16. What is meant by the term taxonomy? **(1mark)**

……

……

17. A student came across an animal which had the following characteristics;

Has a body covered with scales

Has fins

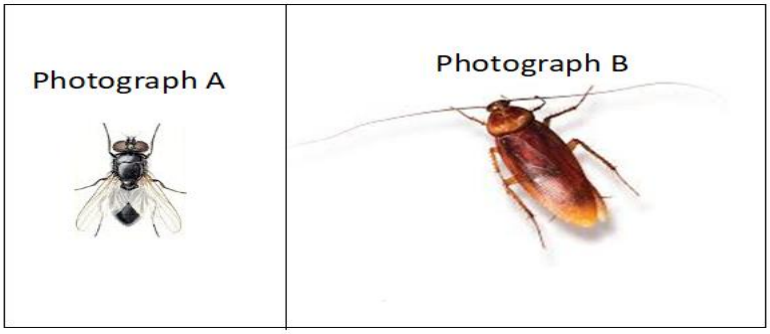
Has a heart with two chambers

State the phylum and the class which the animal belongs to

i) Phylum. **(1mark)**

ii) Class. **(1mark)**

18. The photograph below represents organisms belonging to the animal kingdom, examine the and answer the questions that follows.



a) Name the phylum and the class which they belong to. **(2marks)**

i) Phylum-

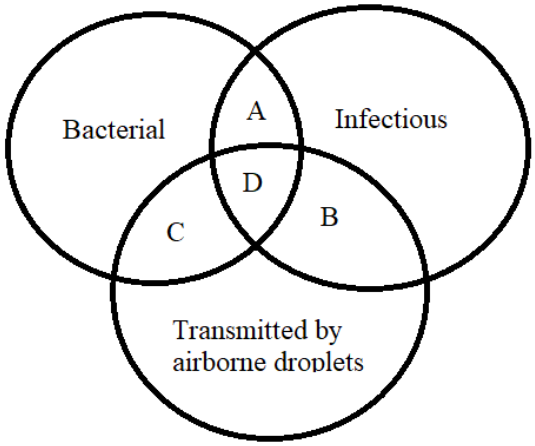
ii) Class-

b) State two observable features that makes them to be classified in the class stated in a)(ii) above.

(2marks)

c) Name the type of metamorphosis exhibited by organism in photograph **B.** **(1mark)**

19. The diagram below shows properties of a disease.



a) Which area in the diagram shows the properties that are common to both cholera and tuberculosis. **(1mark)**

……

b) Name the organism that

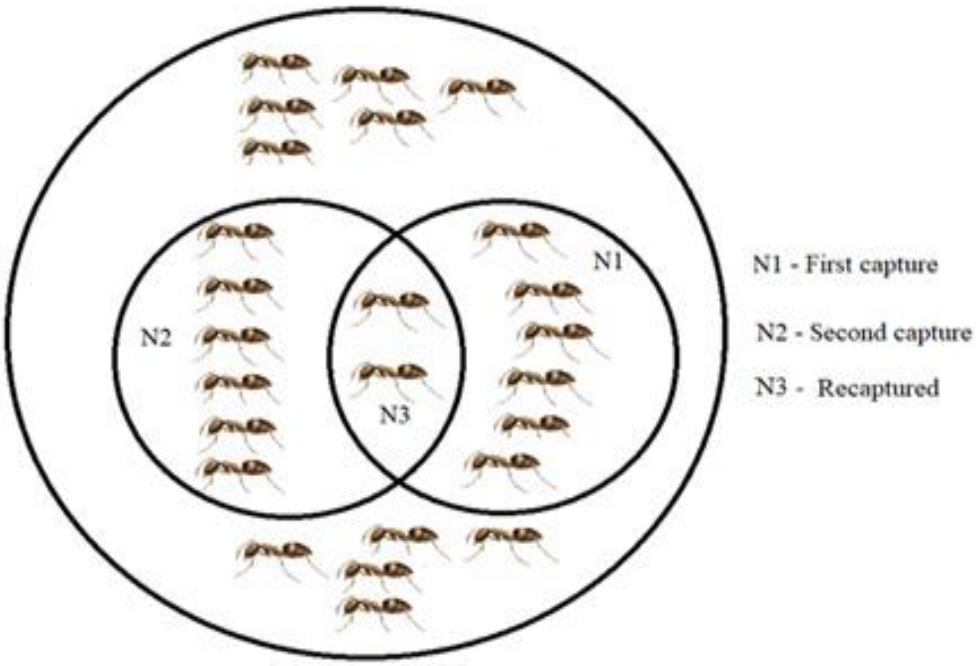
i) Transmits malaria. **(1mark)**

……

ii) Causes Amoebic dysentery. **(1mark)**

……

20. The illustration below shows a method of estimating populations of organisms in an ecosystem.



a) Which method is illustrated above? **(1mark)**

……

b) Calculate the population of the organisms under study. **(3marks)**

21. Give two reasons why primary productivity in an aquatic ecosystem decreases with depth. **(2marks)**

……

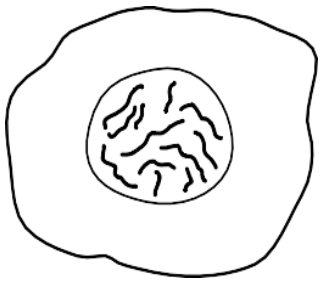
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22. During which phase of meiosis does crossing over occur. **(1marks)**

……

23. The diagram shows the cell of an organism. The nucleus contains 12 chromosomes.



(i) After this cell divides by meiosis, how many chromosomes would be present in one of the daughter cells? **(1mark)**

(ii) List two events that take place in Anaphase I**.** **(2marks)**

……

……

24. a) Which substance surrounds the embryo during its development. **(1mark)**

……

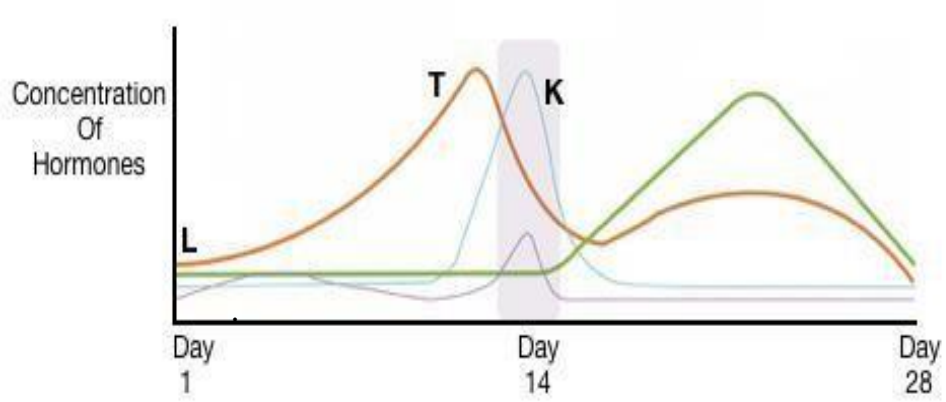
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b) State one role of the substance you have named in a) above. **(1mark)**

……

……

25. Below is a graphical representation of the concentration of hormones involved in the menstrual cycle against time. Study it and answer the questions that follow



a) Name hormone K. **(1mark)**

……

b) Did pregnancy occur based on the cycle above? Explain your answer. **(2marks)**

……

……

……

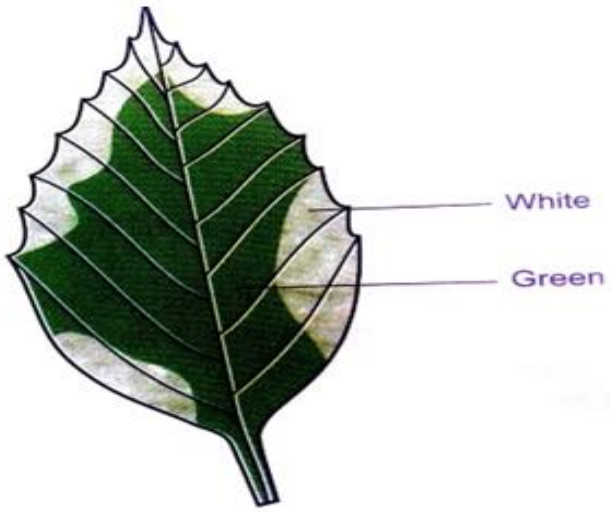
c) Name the organ that secretes hormone T. **(1mark)**

……

d) Identify the process that occurs during the time labelled L. **(1mark)**

……

26. The diagram shown below shows a leaf that was used to study photosynthesis. After the experiment, drops of Iodine solution were placed on the processed leaf



a) Which food substance was being tested for? **(1mark)**

……

b) Fill in the table below to show the colors observed in the following regions **(2marks)**

Region	**Color**
White	
Green	

c) Account for observation made on white part of the leaf. **(2marks)**

……

……

……

27. Name the chemical substances in plants that. **(2marks)**

a) Promote ripening of fruits.

b) Flowering in plants.

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

BIOLOGY

231/2 (THEORY)
PAPER 2
TIME: 2 HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

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.*
- *This paper consists of two sections **A** and **B**.*
- *Answer **all** the questions in Section **A** in the spaces provided.*
- *In section **B** answer questions **6 (compulsory)** and either question **7** or **8** in the spaces. provided.*

FOR EXAMINER'S USE ONLY

SECTION	QUESTION	MAX SCORE	SCORE
A	1	8	
	2	8	
	3	8	
	4	8	
	5	8	
B	6	20	
	7	20	
	8	20	
	TOTAL	**80**	

SECTION A

1. Sickle cell anaemia is a disease in which people produce abnormal haemoglobin in their red blood cells. Letter HbA represents the gene for normal haemoglobin while letter HbS represent the gene for abnormal haemoglobin. Heterozygous individuals are said to have sickle cell trait.

a) If both parents have sickle cell trait, work out the proportion of their offspring that have sickle cell anaemia. **(5marks)**

b) Explain why sickle cell trait is more prevalent in tropical countries than temperate countries. **(2marks)**

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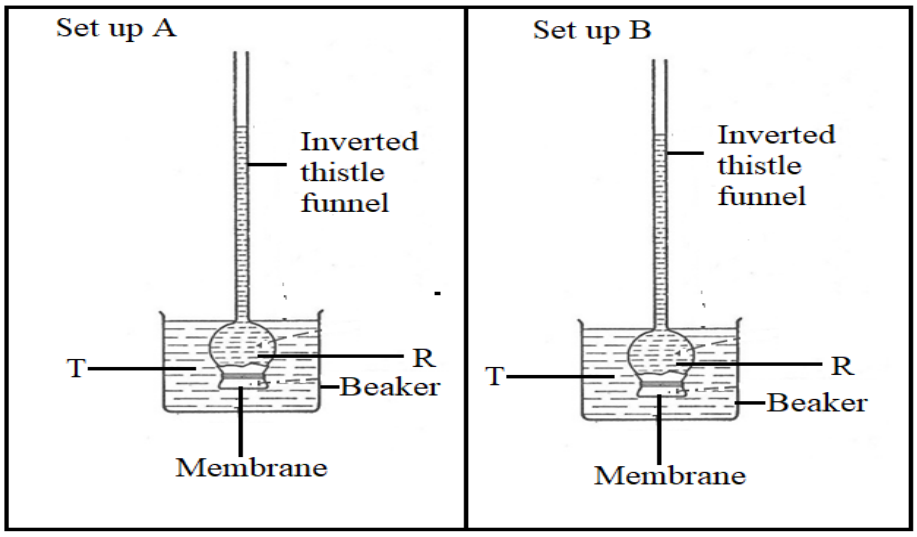
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c) Name any other disease caused by gene mutation. **(1mark)**

……

2. Form one students set up the experiments below to investigate a certain process. It was noted that at the end of the experiment, the level of solution in the thistle funnel had reduced in set up A and increased in set up B.



a) State the nature of liquid T to R in set up A. **(1mark)**

……

b) Account for the observations made in set up B at the end of the experiment. **(3marks)**

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c) State the nature of the membrane used in the set up. **(1mark)**

……

d) State the process being investigated. **(1mark)**

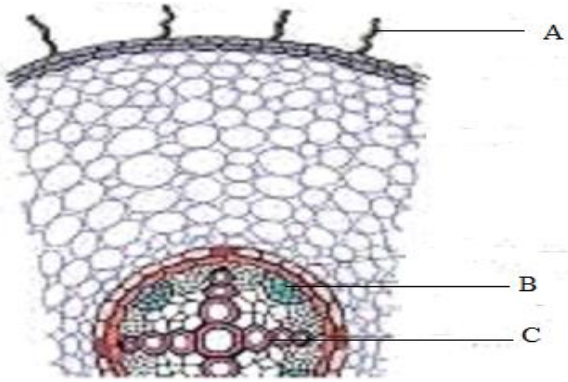
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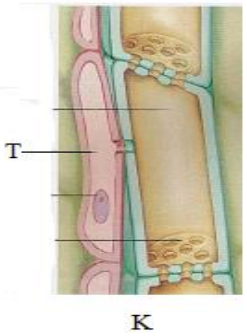
e) State two factors that are necessary for the process to occur. **(2marks)**

……

……

3. The diagram below represents the transverse section through a part of a plant and a structure, K, obtained from the same section.





K

a) State the function of the part labelled A. **(1mark)**

……

b) Identify the class of the plant from which the section was obtained. (**1mark)**

Class -

Reason - **(1mark)**

c) Identify the organ of the plant from which the section was obtained. **(1mark)**

Identity -

……

Reasons. **(2marks)**

……

……

……

d) Which label on the section correctly represents the part from which structure K was obtained. **(1mark)**

……

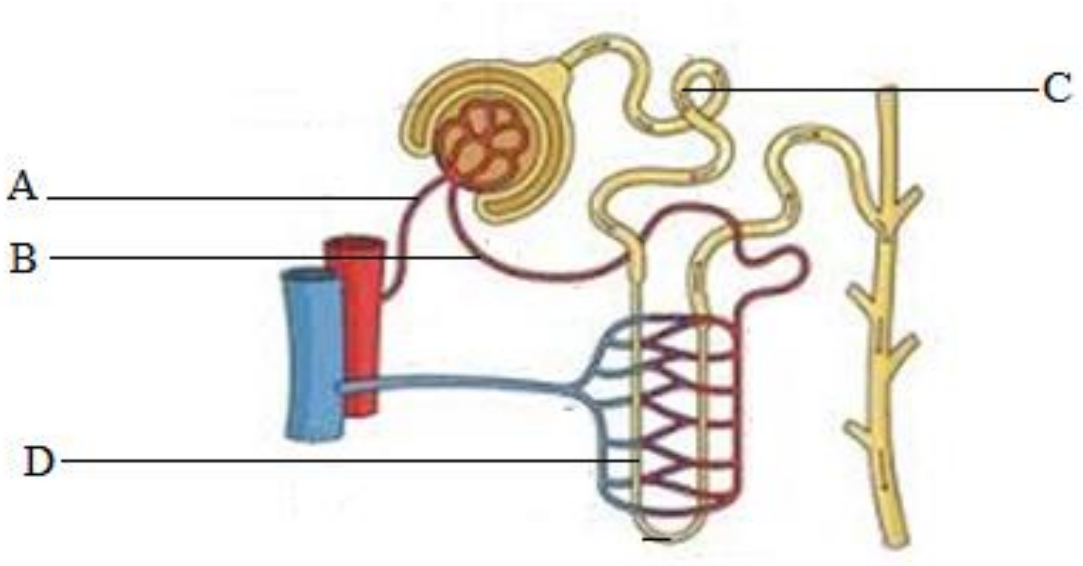
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e) State one way in which part labelled T in structure K is structurally adapted to support the function of K. **(1mark)**

……

……

4. The figure shown below represents a mammalian structure. Use it to answer the questions that follow



(a) Name parts labelled **A and C.** **(2marks)**

A:

C:

(b) (i) State structural difference between Part A and B. **(1mark)**

……

……

(ii) State the importance of the above difference in (b) (i) above. **(1mark)**

……

(c) State one adaptation of part D to its function. **(2marks)**

……

……

……

(d) Name two materials found in B and absent in D. **(2marks)**

……

……

5. The animals below are believed to have evolved from the same ancestry,



Animal A



Animal B

a) Which evidence of organic evolution theory explain on the evolving of the above animals.

(1mark)

……

……

b) Explain the possible difference in the length of the fur. **(3marks)**

……

……

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……

……

c) 50 white and 50 black Mice were released in an area inhabited by Jackals. After six weeks it was established that 24 black Mice and 8 white Mice had remained.

i) Account for the above observation. **(3marks)**

……

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……

ii) Name the evolution theory that supports this observation. **(1mark)**

……

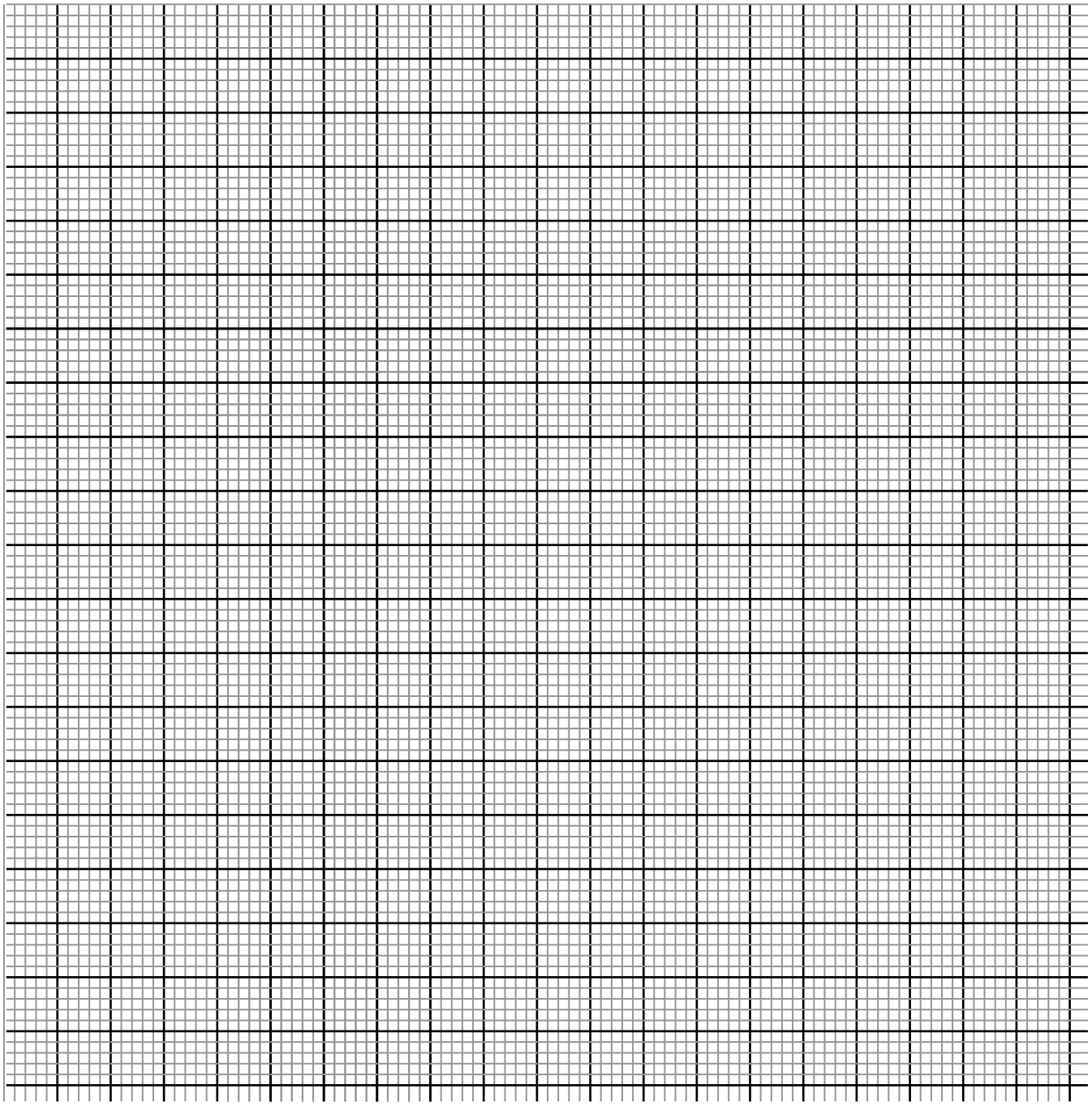
SECTION B (40 MARKS)

Answer question 6 (compulsory) in the spaces provided and either question 7 or 8 in the spaces provided after question 8.

6. The diagram below is obtained from measurements of growth in the leaf petiole of a certain plant. The relative growth rate is calculated and the data is obtained as shown below.

Time in days	0	1	2	3	4	5	6	7	8	9
Relative growth rate(cm/day)	0	0.1	0.3	0.8	2.0	4.0	4.5	3.5	0.2	0

a) Plot a graph of relative growth rate against time. **(5mks)**



b) State two functions of a leaf petiole**.** **(2marks)**

……

……

……

c) State two characteristics of cells found in the region of cell division. **(2marks)**

……

……

……

d) Account for the shape of the curve between the following days**.** **(3marks)**

i. 2 – 5.

……

……

……

……

……

ii. 6 – 8 **(3marks)**

……

……

……

……

……

iii. 8-9**.** **(3marks)**

……

……

……

……

e) Distinguish between primary growth and secondary growth in a flowering plan**t.** **(2marks)**

……

……

……

……

7. (i) State two significance of transpiration. **(2marks)**

(ii) Discuss the forces involved in movements of water from roots to the leaves. **(8marks)**

b) Describe how oxygen is transported in mammalian body. **(10marks)**

8. (a) Describe how the stomach is adapted to its function. **(10mks)**

(b) Describe how temperature and carbon (IV) oxide affect the rate of photosynthesis. **(10mks)**

Temperature –

Carbon (IV) oxide concentration –

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

BIOLOGY

231/3 (PRACTICAL)
PAPER 3
TIME: 1¾ HOURS

SCHOOL…… SIGN……

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

BIOLOGY CONFIDENTIAL

Each candidate will require the following:

3 bean seedlings as follows:

One grown under normal conditions labelled **A**

One grown in the dark labelled **B**

One grown in the dark with unilateral source of light labelled **C**

NB:

The curvature of the seedling **C** towards source of light should be obvious.

Germination time 10 – 14 days.

- ✓ Iodine solution
- ✓ White tile
- ✓ Dropper
- ✓ 2 test-tube
- ✓ Mortar & pestle
- ✓ 2 labels

Coloured photographs

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

BIOLOGY

231/3 (PRACTICAL)
PAPER 3
TIME: 1¾ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO THE CANDIDATES

- Write your **name** and **admission number** in the spaces provided above.
- Write the **date** of examination in the spaces provided.
- Answer **all** questions in the spaces provided.
- You are required to spend the first 15 minutes of the **1 ¾** to read the questions
- Candidates should answer the questions in **English.**

FOR EXAMINER'S USE ONLY:

QUESTION	MAXIMUM SCORE	CANDIDATE'S SCORE
1	16	
2	12	
3	12	
TOTAL	**40**	

1. You are provided with three sets of seedlings labelled A, B and C.

Examine them and answer the questions that follow:

(a) State the conditions under which seedling A and B were grown. **(2marks)**

A ……

B……

(b) (i) Name the type of germination exhibited by the seedlings. **(1mark)**

……

(ii) Give a reason for your answer in b (i) above. **(1mark)**

……

……

(c) List two observable differences between seedlings **A and B.** **(2marks)**

A	B

(d) Name the term used to describe the phenomenon exhibited by specimen **B** **(1mark)**

……

(e) (i) Name the response exhibited by the seedlings labelled **C**. **(1mark)**

……

(ii)Explain how the response named in (e) (i) above occurred. **(2mrks)**

……

……

……

……

(f) Separately, pluck, cut and crush the leaves from seedling **A** and **B.**

Place the crushed extract into separate test-tubes labelled $\mathbf{A_1}$ and $\mathbf{B_2}$.

Add 2ml of water to form solutions A_1 and B_1 respectively.

(i) Using the reagent provided, carry out food test on **A_1** and **B_1.** **(4 marks)**

Test for	Procedure	Observation	Conclusion

(ii) Account for the results obtained (f) (i) above. **(2marks)**

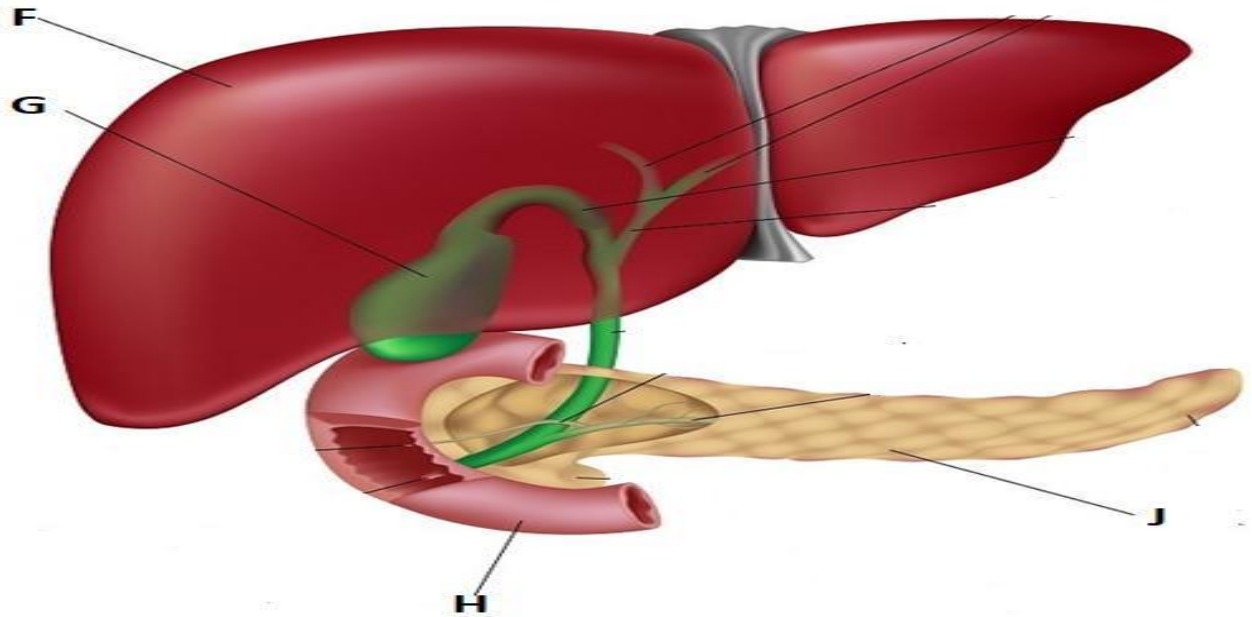
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2. Study the photographs below and answer the questions that follow.



(a) Identify the following parts. **(2mks)**

F ……

G……

(b) (i) Identify the secretion stored in the part labelled G. **(1mk)**

……

(ii) Give two functions of the secretion you have identified in b (i) above. **(2mks)**

……

……

(c) (i) Give two major roles of the part labelled J. **(2mks)**

……

……

(ii) State the hormone secreted by the part labelled H. **(1mk)**

……

(d) Study the photograph below and answer the questions that follow.



(i) Identify the following part. **(2mks)**

K ……

L ……

(ii) Give two adaptations of the part labelled M. **(2mks)**

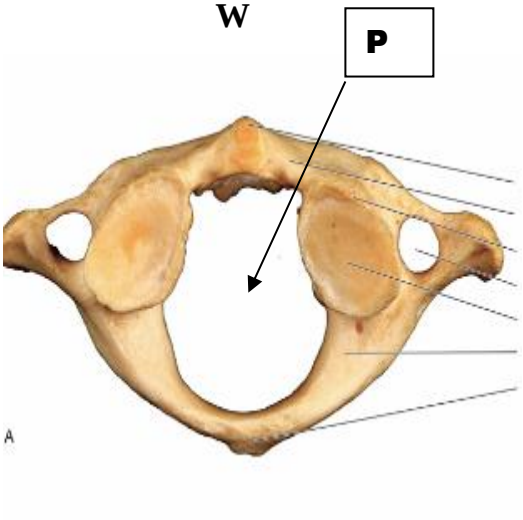
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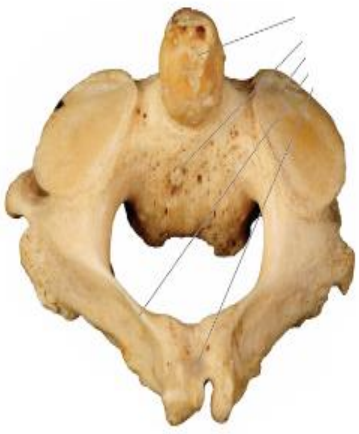
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3. You are provided with photograph of specimen W, Y and Z.

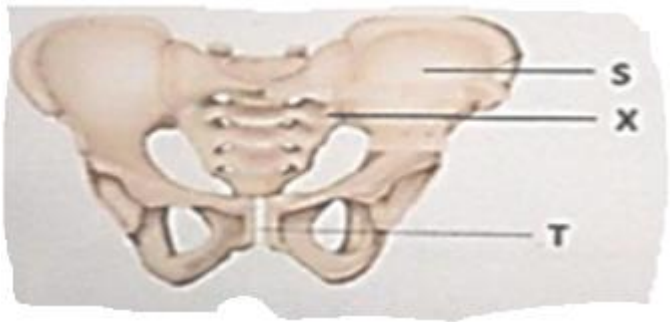
W



Y



Z



(a) Name the region from which bones W and Y were obtained. **(1mk)**

……

(b) Identify the bones **3mks)**

W……

Y……

Z .....

(c) State three characteristics features of the bone labelled W. **(3mks)**

……

……

……

(d) Which structures fit in the opening labelled P in the photographs of specimen W. **(2mks)**

……

……

……

(e) Name the parts S and T on photograph Z. **(2mks)**

S……

T……

f) On the photographs label orbutrator **foramen** **(1mk)**

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

CHEMISTRY

233/1 (THEORY)
PAPER 1
TIME: 2 HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

- *Write your name, admission number, class, date and then sign in the spaces provided.*
- *Answer **all** questions in the spaces provided.*
- *KNEC mathematical tables and silent electronic calculators **may** be used for calculations.*
- *All workings **must** be clearly shown where necessary.*

FOR EXAMINERS USE ONLY

Questions	Maximum Score	Students Score
1-28	80	

1. a) Name another gas, which is used together with oxygen in welding**.** **(1 mark)**

……

(**b).** Explain the change in mass that occurs when the following substances are separately heated in open crucibles.

(i) Copper metal**.** **(1mark)**

……

……

(ii) Copper (II) nitrate. **(1mark)**

……

……

2. Aluminum metal is a good conductor and is used for overhead cables. State any other two properties that make aluminum suitable for this use**.** **(2marks)**

……

……

3. Give two reasons why helium is used in weather balloons**.** **(2marks)**

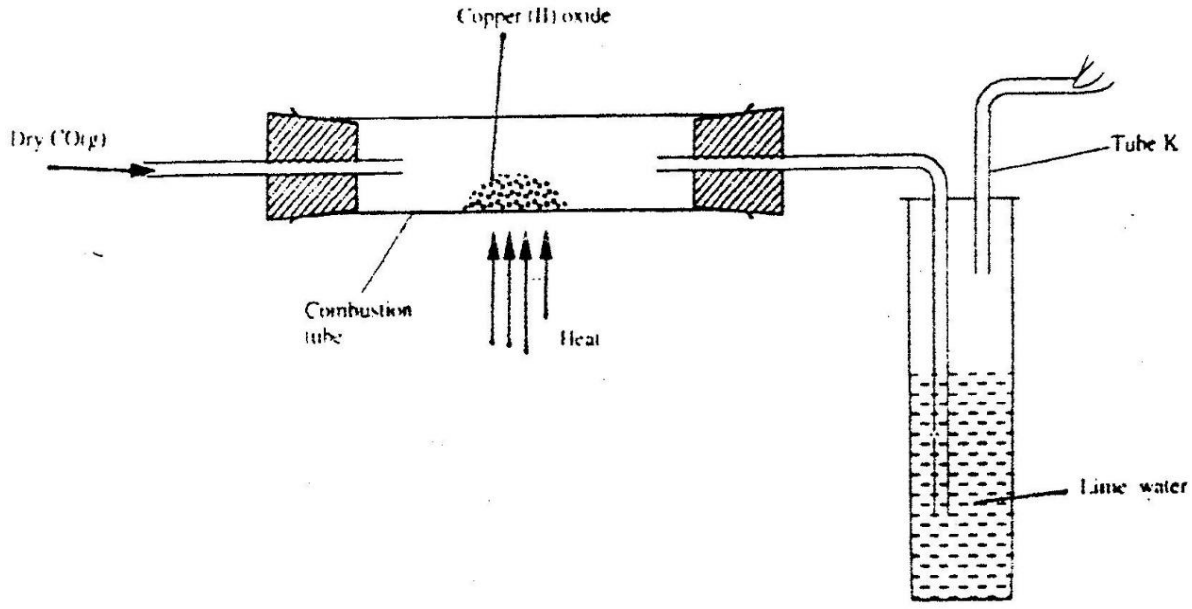
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4. Draw two positional isomers of the third member of alkyne series. **(3marks)**

5.The apparatus shown below was used to investigate the effect of carbon (ii) oxide on copper (II) oxide.



a) State the observation that was made in the combustion tube at the end of the experiment.

(1mark)

……

b) Write an equation for the reaction that took place in the combustion **tube** **(1mark)**

……

……

C) Why is it necessary to burn the gas coming out of tube K? **(1mark)**

……

……

6.Give a reason why

(i) Phosphorus is stored under water**.** **(1mark)**

……

……

ii) Chlorine gas is prepared in the fume chamber. **(1mark)**

……

……

iii) Concentrated sulphuric acid is not used to dry ammonia gas**.** **(1mark)**

……

……

7. A certain matchstick head contains potassium chlorate and Sulphur. On striking, the two substances react to produce Sulphur (iv) oxide and potassium chloride. State the environmental effect of using such matches in large numbers. **(2marks)**

……

……

8. When a sample of concentrated sulphuric acid was left in an open beaker in a room for two days, the volume was found to have increased slightly.

a) What property of concentrated sulphuric acid was being investigated. **(1mark)**

……

b) State one use of concentrated sulphuric acid that depends on the property named above.

(1mark)

……

……

9. The following two tests were carried out on chlorine water contained in two test tubes

a) A piece of colored flower was dropped into the first – tube. Explain why the flower was bleached **(2marks)**

……

……

……

b) The second test- tube was corked and exposed to sunlight after a few days, it was found to contain a gas that rekindled a glowing splint. Write an equation for the reaction which produced the gas. **(1mark)**

……

……

10. In the Haber process, the optimum yield of ammonia is obtained when a temperature of 450^0C, a pressure of 200 atmospheres and iron catalysts are used

$N_2(g) + 3H_2(g) \rightleftharpoons 2NH_3(g)$; $\Delta H = -92kJ$.

a) How would the yield of ammonia be affected if the temperature was raised to 600^0C? Explain. **(2marks)**

……

……

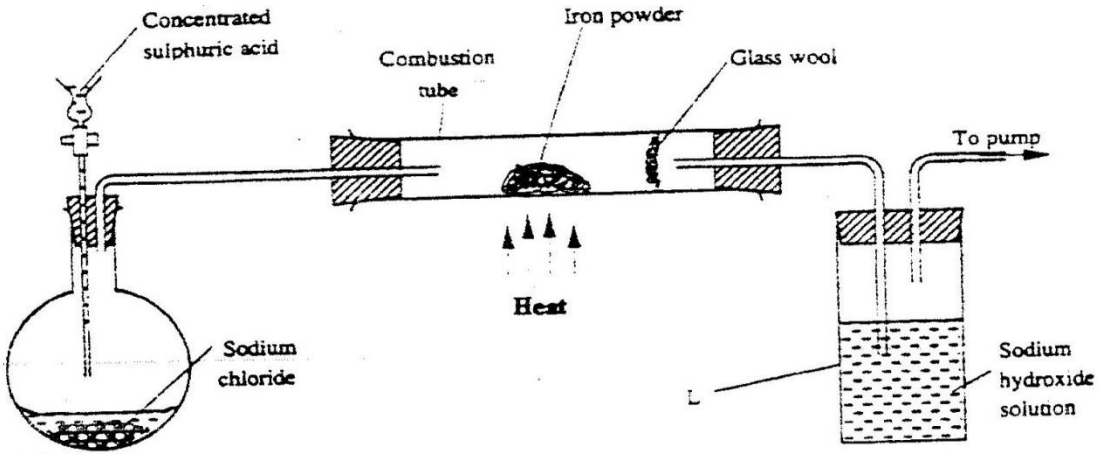
……

b) Give two use of ammonia. **(1mark)**

……

……

11. The set – up below was used to prepare hydrogen chloride gas and react it with iron powder. Study it and answer the questions that follow.



At the end of the reaction, the iron powder turned into a light green solid.

a) Identify the light green solid. **(1mark)**

……

b) At the beginning of the experiment, the pH of the solution in container L was about 14. At the end, the pH was found to be 2. Explain. **(2marks)**

……

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……

12. Below is part of the Thorium decay series.

$$^{232}_{90}Th \xrightarrow{(i)} {}^{228}_{88}Ra \xrightarrow{(ii)} {}^{228}_{89}Ac \xrightarrow{(iii)} {}^{228}_{90}Th \xrightarrow{(iv)} {}^{224}_{88}Ra$$

(i) Write an overall nuclear equation for the conversion of Th-232 to Ra-224. **(1mark)**

……

……

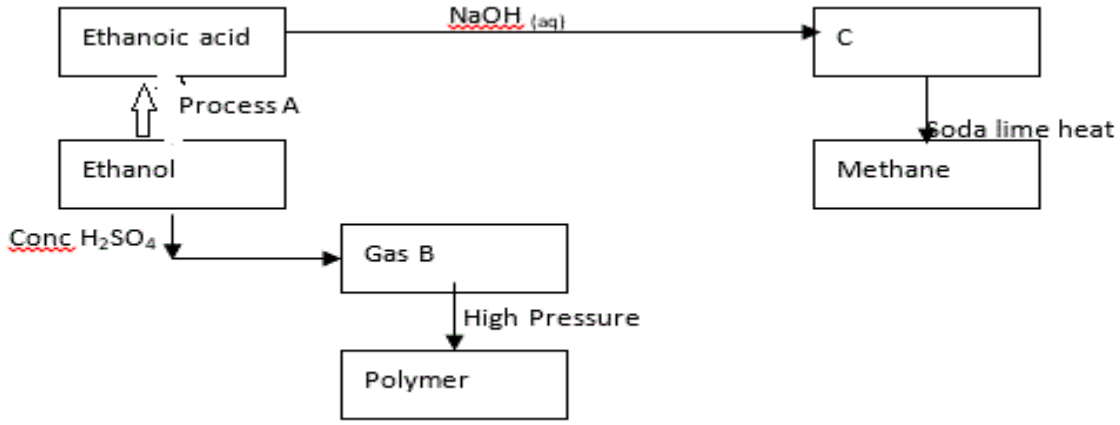
(ii) Give any **two** uses of radio isotopes in medicine. **(2marks)**

……

……

……

13. The flow chart below shows a series of reactions starting with ethanol , Study it and answer the questions that follow



i) Name:

I.Process A…… (1mark)

II.Substances B and C

B..... (½mark)

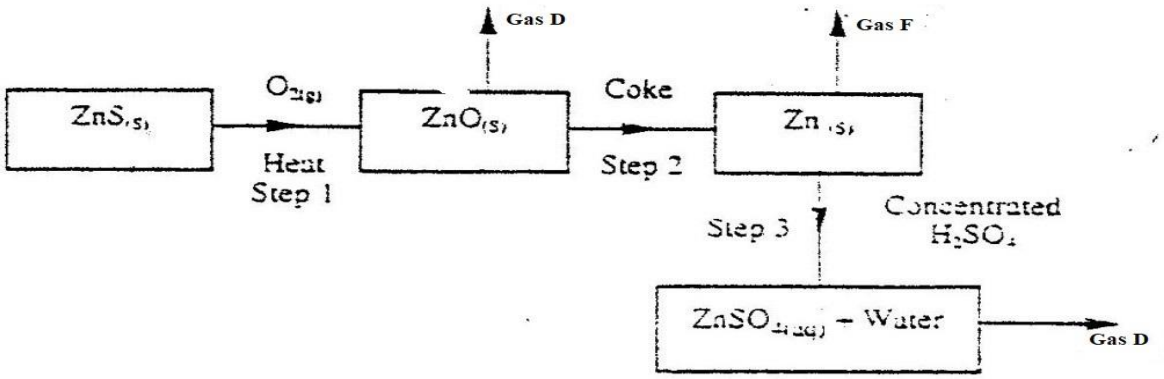
C…… (½mark)

ii) Write the equation for the reaction leading to formation of methane**.** **(1mark)**

……

……

14. Study the flow chart below and answer the questions that follow.



a) State the condition necessary for the reaction in step 2 to **occur** **(1mark)**

……

……

b) Name gases D and F: **(1mark)**

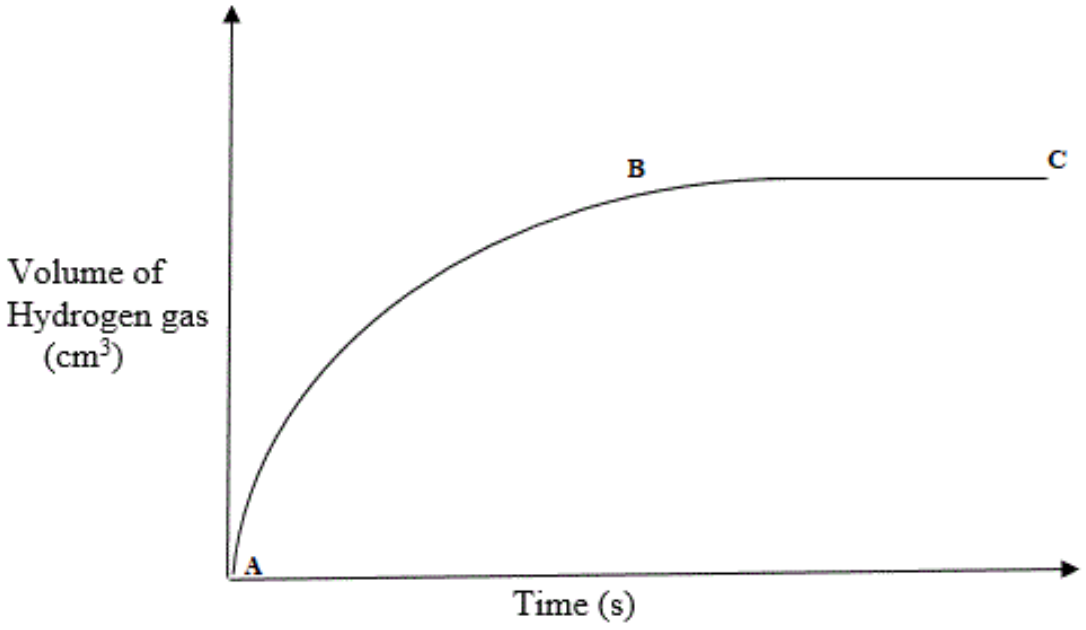
i) Gas D……

Gas F ……..

ii) State one use of zinc metal. **(1mark)**

……

15. The reaction between a piece of magnesium ribbon with excess 2M hydrochloric acid was investigated at 25^{o}C by measuring the volume of hydrogen gas produced as the reaction progressed. The sketch below represents the graph that was obtained.



a) Explain the shape of the curve between B and C. **(1mark)**

……

……

b) Suggest another parameter that can be used to determine the rate of the above reaction **(1mark)**

……

c) On the same diagram, sketch the curve that would be obtained if the experiment is repeated using powdered magnesium metal**.** **(1mark)**

……

……

16. Zinc oxide reacts with acids and alkalis.

a) Write the equation for the reaction between zinc oxide and:

i) Dilute sulphuric acid **(1mark)**

……

ii) Sodium hydroxide solution **(1 mark)**

……

b) What property of zinc oxide is shown by the reactions in (a) above? **(1 mark)**

……

17. 0.84 g of aluminum reacted completely with chlorine gas. Calculate the volume of chlorine gas used (Molar gas volume is $24dm^3$, al = 27). **(3 marks)**

……

……

……

……

18. Proper use of soaps in washing hands has proven to control the spread of corona novel virus.

a) Write the formula of the grey insoluble substance left in the washing basin when one uses soap with tap water given that the formula of the soap is $C_{17}H_{35}COONa$. **(1mark)**

……

……

b) State two advantages of Soapy detergents over soapless detergents. **(2marks)**

……

……

……

19. a) Use the information given below to draw a labeled diagram of an electrochemical cell that can be constructed to measure the electromotive force between G and J.

$G2+(aq) + 2e \rightarrow G(s)$; $E^{\theta} = - 0.74$ V

$J2+(aq)+ 2e \rightarrow J(s)$; $E^{\theta} = -0.14$ V **(2marks)**

b) Calculate the E^{θ} value for the cell constructed in (a) above**.** **(1mark)**

……

……

……

20. a) Sate Le' Chetelier's principle. **(1mark)**

……

……

b) Study the following equilibrium reaction and answer the questions that follow: -

$$\underbrace{HL_{(aq)} + H_2O_{(l)}}_{\text{Red}} \rightleftharpoons \underbrace{H_3O^+(aq)\ L^-(aq)}_{\text{Blue}}$$

Given that in an acid solution, $H_3O^+_{(aq)}$ act in place of hydrogen ions, H^+, according to the equation.

$$\mathbf{H_3O^+_{(aq)} + OH^-_{(aq)} \longrightarrow 2H_2O_{(l)}}$$

Explain what would be observed when potassium hydroxide solution is added to the above equilibrium mixture. **(2marks)**

.....

.....

.....

.....

21. The table below gives information on four elements K, L, M and N. Study it and answer the questions that follow. The letters do not represent the actual symbols of the elements.

Element	Electron arrangement	Atomic radius (nm)	Ionic radius(nm)
K	2, 8, 2	0.136	0.065
L	2, 8, 7	0.099	0.181
M	2, 8, 8, 1	0.203	0.133
N	2, 8, 8, 2	0.174	0.099

a) Which two elements have similar chemical properties? Explain. **(2marks)**

.....

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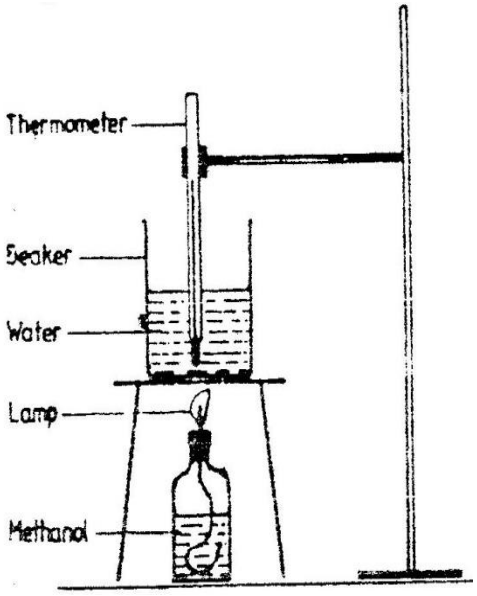
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b) Which element is a non-metal? Explain. **(1mark)**

.....

.....

22. In an experiment to determine the heat of combustion of methanol, a student used the set-up below.



Volume of water = 500cm^3

Final temperature of water= 27.0^{0}C

Initial temperature of water = 20.0^{0}C

Final mass of lamp + methanol = 22.11g

Initial mass of lamp+ methanol= 22.98g

Density of water = 1.0g/cm^3

Specific heat capacity = 4.2kJ/g/k

Calculate:

(i) The number of moles of methanol used in this experiment given that the R.F.M is 32. **(1mark)**

……

……

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(ii) The heat of combustion per mole of methanol. **(2mark)**

……

……

……

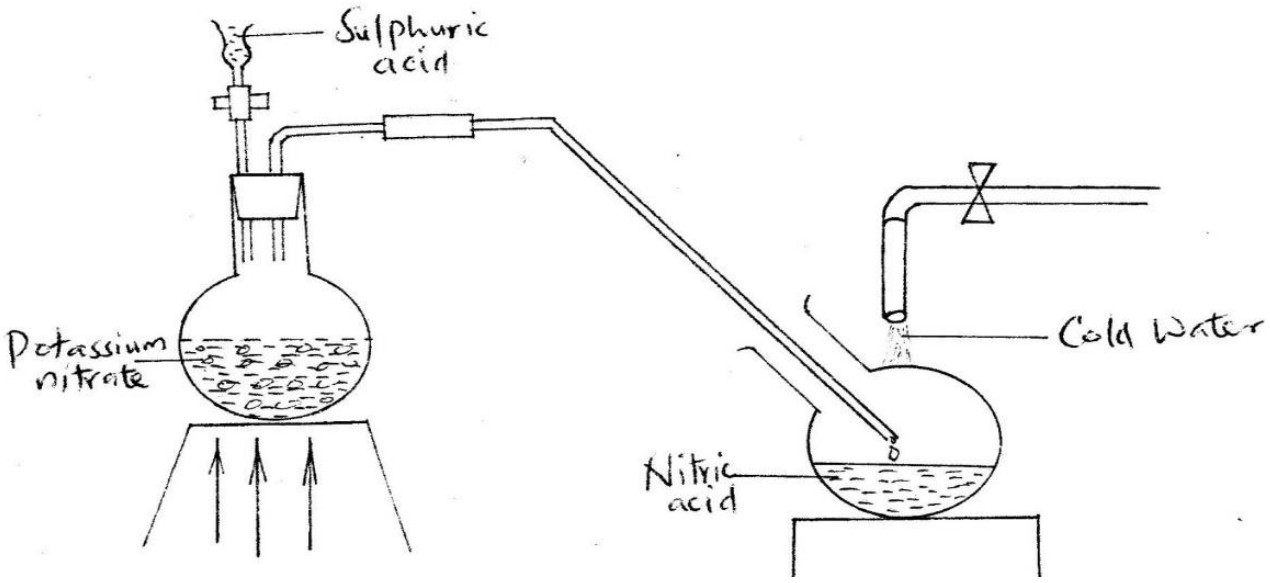
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23. Using dots (.) and crosses (x) to represent outermost electrons, draw diagrams to show the bonding in, CO_2 and H_3O^+. (Atomic numbers; H = 1.0,C= 14.0, O = 8)

i) CO_2. **(1mark)**

ii) H_3O^+ **(2marks)**

24. The diagram below shows a set- up that was used to prepare and collect a sample of nitric (v) acid



a)Give a reason why it is possible to generate nitric (v) acid from sulphuric(vi) acid in the set – up. **(1mark)**

……

……

b) Name another substance that can be used instead of potassium nitrate**.** **(1mark)**

……

c) Give two use of nitric (v) acid. **(1mark)**

……

……

25. When a hydrocarbon was completely burnt in oxygen, 4.2g of carbon (IV) oxide and 1.71 g of water were formed. Determine the empirical formula of the hydrocarbon

(H= 1.0 ; C=12.0 ; 0 = 16.0). **(3marks)**

……

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26. Starting with 50 cm^3 of 2.8M sodium hydroxide describe how a sample of pure sodium sulphate crystals can be prepared. **(3 marks)**

……

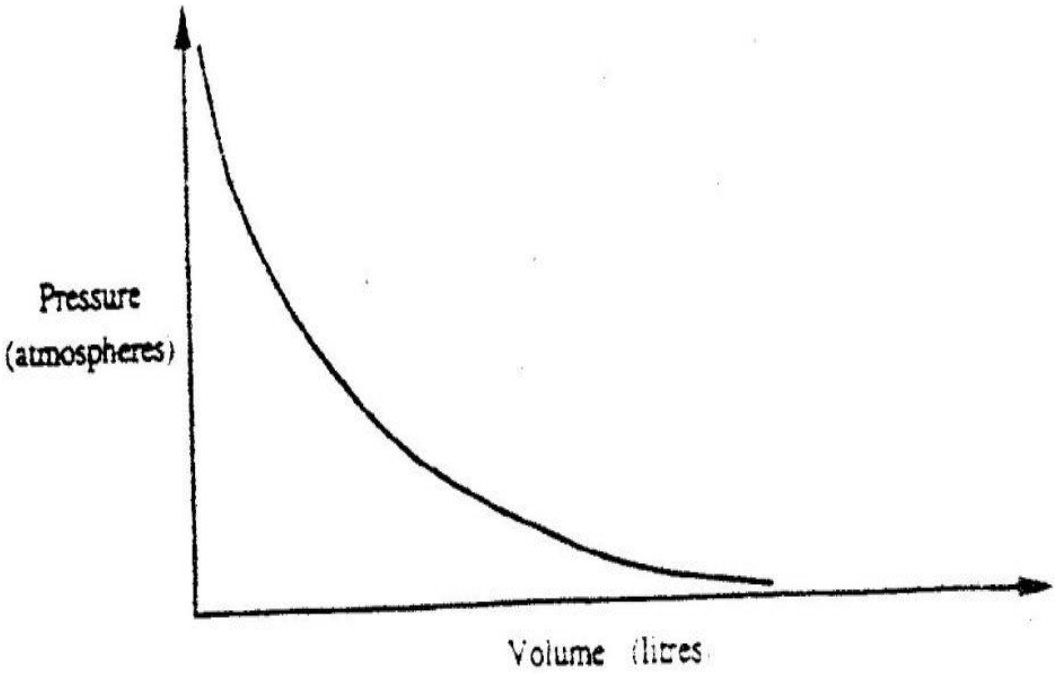
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27. The graph below shows the behavior of a fixed mass of a gas at constant temperature.



a) What is the relationship between the volume and the pressure of the gas**?** **(1mark)**

……

……

b) Three litres of oxygen gas at one atmosphere pressure were compressed to two Atmospheres at constant temperature. Calculate the volume occupied by the oxygen gas.

(2marks)

……

……

……

……

28. Explain the following observations

i) Very little amount of hydrogen gas is collected when dilute sulphuric acid react with calcium metal. **(1mark)**

……

……

ii) When hydrogen chloride gas is dissolved in water, the solution turns blue litmus paper to red, while when hydrogen chloride gas is dissolved in methyl benzene; the resulting solution has no effect on the blue litmus paper**.** **(2marks)**

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CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

CHEMISTRY

233/2 (THEORY)
PAPER 2
TIME: 2 HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

1. *Write your name and index number in the spaces provided above*
2. *Sign and write the date of examination in the spaces provided above*
3. *Answer all the questions in the spaces provided*
4. *Mathematical tables and silent electronic calculators may be used.*
5. *All working must be clearly shown where necessary*

FOR EXAMINERS USE ONLY:

Question	Maximum Score	Candidate's Score
1	11	
2	10	
3	12	
4	12	
5	12	
6	14	
7	9	
Total score		

1. Crystals of copper (ii) nitrate can be prepared by reacting solid copper (ii) oxide with dilute nitric (v) acid.

(a) Write a chemical equation for this reaction. **(1mk)**

……

……

(b).A student is given a sample of copper (ii) oxide containing small amounts of insoluble impurities.

The passage is from her notebook and describes the method she uses to prepare some pure, dry crystals of copper (ii) nitrate from her sample of copper (ii) oxide.

Stage 1: place $50cm^3$ of dilute nitric (v) acid into a beaker and warm.

Stage 2: add the impure copper (ii) oxide a little at a time and stir, until it is in excess.

Stage 3: filter the mixture

Stage 4: heat the filtrate until the crystallization point is reached

Stage 5: allow the filtrate to cool

Stage 6: filter off the crystals and dry within filter paper.

(i) Why is the acid warmed in stage 1? **(1mk)**

……

(ii) How will the student know when the copper (ii) oxide is in excess in stage 2. **(1mk)**

……

……

(iii) How will the student know when the crystallization point is reached in stage 4 **1mk)**

……

……

(iv) In which stage are the insoluble impurities removed? **(1mk)**

……

(c) Substance X was known to be sodium iodide, potassium iodide or potassium bromide. state how a flame test could be used to decide whether substance X is a sodium or potassium compound. **(2mks)**

……

……

……

(d) Study the table below and answer the questions that follow

process	observation
Copper metal was warmed with conc H_2SO_4	A gas V with a chocking smell is produced.The gas changed the acidified potassium dichromate (vi)from orange to green .a blue solution is formed.
To a little of the blue solution excess aqueous ammonia was added	A light blue precipitate formed which dissolved to give a deep blue solution.

(i) Name gas V **(1mk)**

……

(ii) What property of gas V is indicated by the change in the acidified dichromate solution?**(1mk)**

……

(iii) Write the formula of the ion in the deep blue solution and name it **(2mks)**

Formula of the ion…….

Name of the ion ……

2. Crude oil is a source of many compounds that contain carbon and hydrogen only.

(i) Name the process used to separate components of crude oil **(1mk)**

……

(ii). On what physical property does separation of the above components depend on**.** **(1mk)**

……

……

(b) Describe two simple chemical tests that be used to distinguish between C_2H_4 and C_2H_6 **(4mks)**

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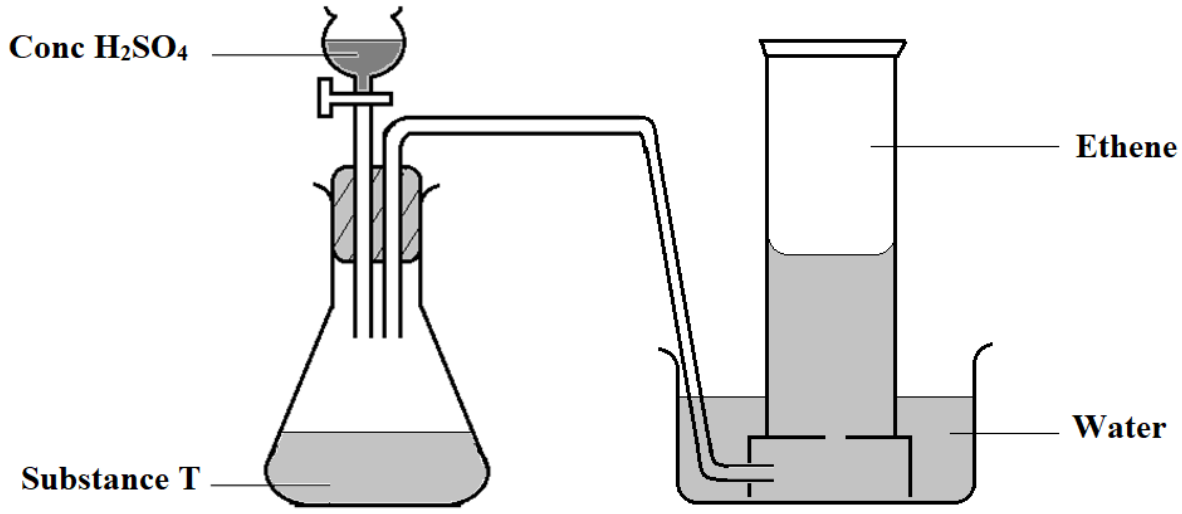
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(c) The set up below was used to prepare and collect ethene gas. study it and answer the question that follow.



(i) Name the substance T **(1mk.)**

……

(ii) Give the property of ethene that allows it to be collected as shown in the set up above. **(1mk)**

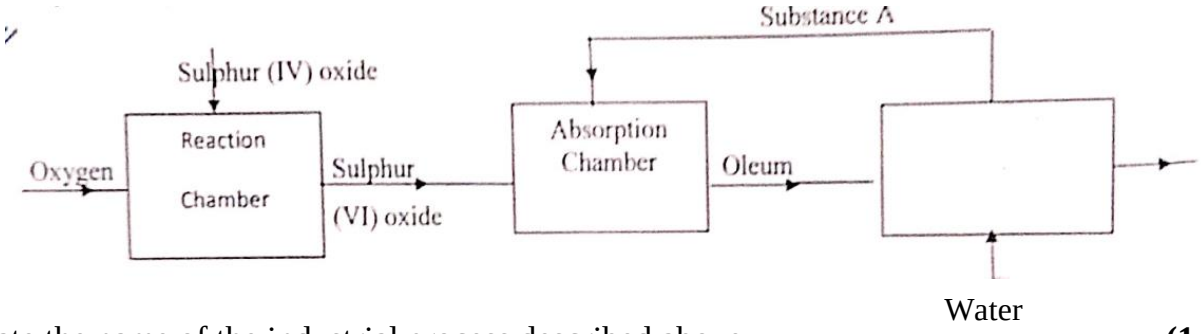
……

(d) One of the reaction undergone by ethene is addition polymerization. Give the name of the polymer and one disadvantage of the polymer it forms. **(2mks)**

Name:……

Disadvantage of the polymer:……

3.The flow chart below shows some of the processes involved in large scale production of sulphuric (vi) acid. Use it to answer the questions that follow.



(a). State the name of the industrial process described above. **(1mk)**

……

(b). Name substance A **(1mk)**

……

(ii). Write an equation for the process that takes place in the absorption chamber **(1mk)**

……

……

(c). Vanadium (v) oxide is commonly used catalyst in the contact process. Name another catalyst which can be used in this process. **(1mk)**

……

(d). Give two reasons why vanadium (v) oxide is commonly used catalyst **(2mks)**

……

……

……

……

(e). State and explain the observation made when concentrated sulphuric (vi) acid is added to crystals of copper (ii) sulphate in the beaker. **(2mks)**

……

……

……

(f). A part from the catalyst ,list two other optimum conditions for the production of sulphuric(vi) acid. **(2mks)**

……

……

(g). List any two uses of sulphuric (vi) acid. **(2mks)**

……

……

4. a) During the manufacture of hydrochloric acid, 50dm^3 of hydrogen gas was burnt in 80dm^3 chlorine.

(i) Write a chemical equation for the reaction between hydrogen and chlorine. **(1mk)**

……

……

(ii) Which gas was in excess and by how much? **(2mks)**

……

iii) What is the source of hydrogen used during the manufacture? **(1mk)**

……

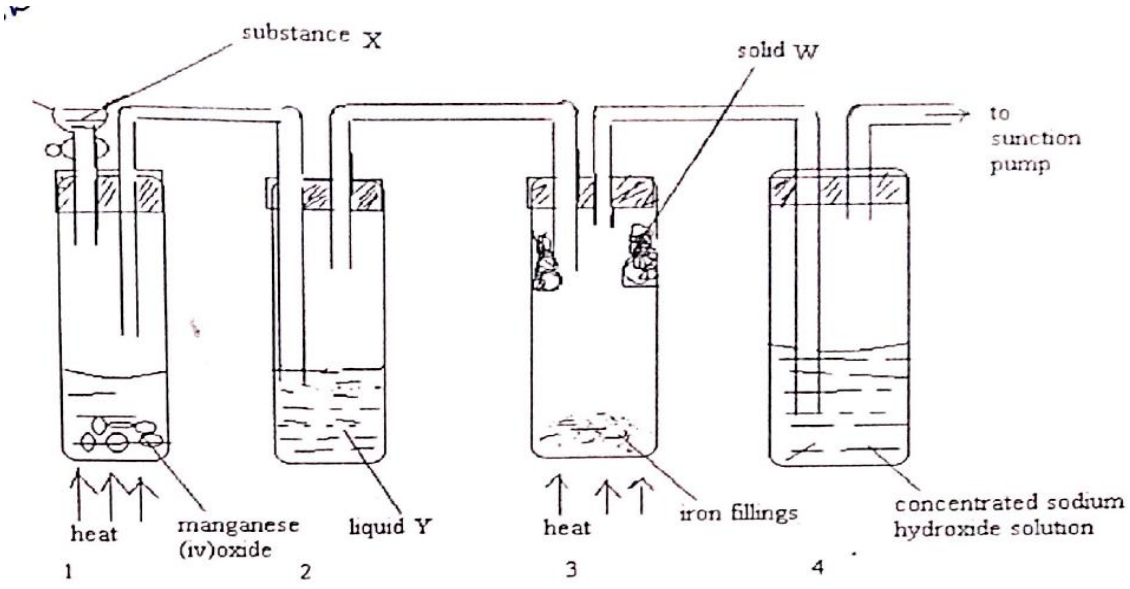
(iv) A solution of hydrogen chloride gas in water turns blue litmus red while a solution of hydrogen chloride gas in methyl benzene has no effect. Explain **(2mks)**

……

……

……

(b) The set up below was used to prepare and study the reaction of chlorine gas. study it and answer the questions that follow,



(i) Give the role of manganese (iv) oxide in the first boiling tube. **(1mk)**

……

……

(ii) Identify substances **X and Y** **(2mks)**

X:…….

Y:…….

(iii) Write a chemical equation for the reaction in boiling tube 3. **(1mk)**

……

……

(iv) Explain why solid W is collected as shown in the set up. **(1mk)**

……

……

(v) Name the other reagent that can be used instead of manganese (iv) oxide **(1mk)**

……

5.a) State two factors that should be considered when choosing fuel for cooking **(2mks)**

……

……

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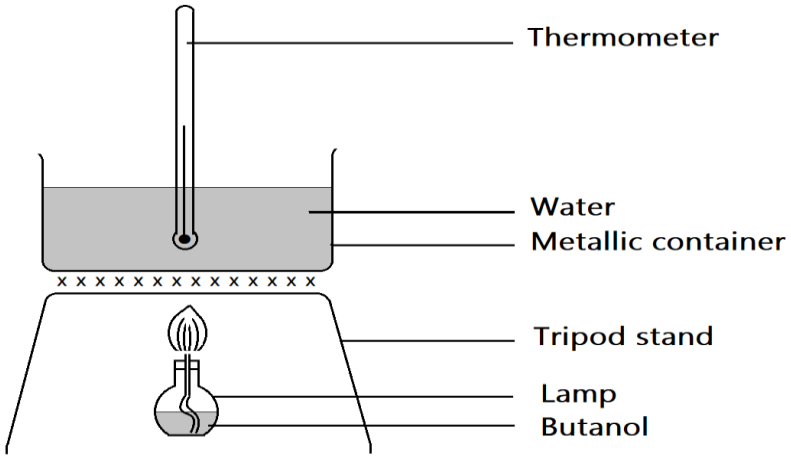
b) Define the term molar heat of combustion **(1mk)**

……

……

……

c) The diagram below represents a set up that was used to determine the molar heat of combustion of butanol. 250cm^3 of water was heated from 225K to 295K.the mass of butanol and lamp initially was 154.4g and dropped to 124.8g after the experiment.



Calculate the;

(i) The mass of butanol burnt **(1mk)**

……

……

(ii) The heat change that occurred during the process (specific heat capacity of water=4.2Jg^{-1}K^{-1},density of water 1g/cm^3,C=12,H=1,0=16) **(2mks)**

……

……

……

(iii) The molar heat of combustion of butanol(C_4H_9OH) **(2mks)**

……

……

……

(iv) Heating value of butanol **(1mk)**

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……

(d) Using the information below, determine the heat of combustion of butanol using the following data. **(3mks)**

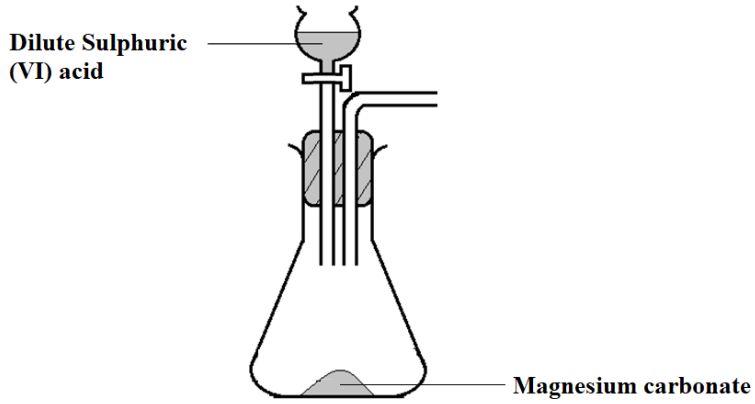
$H_{2(g)} + {}^{1}/_{2}O_{2(g)} \longrightarrow H_2O_{(l)}$ $\quad \Delta H_1 = -286kJ/mol$

$C_{(s)} + O_{2(g)} \longrightarrow CO_{2(g)}$ $\quad \Delta H_2 = -394kJ/mol$

$4C_{(s)} + 5H_2 + {}^{1}/_{2}O_2 \longrightarrow C_4H9OH_{(l)}$ $\quad \Delta H_3 = -597kJ/mol$

6.a The diagram below represents an incomplete set up of apparatus used to prepare and collect a dry sample of carbon (iv) oxide.

(i) Complete the diagram to show how a dry sample of carbon (iv) oxide was collected **(3mks).**



(ii) Write the equation for the reaction that took place in the conical flask (1mk)

……

……

(iii) Why is it not suitable to use the lead (ii) carbonate in place of magnesium carbonate in the set up **(2mks)**

……

……

……

(iv) State two properties of carbon (iv) oxide that makes it suitable for use in fire extinguishers. **(1mk)**

……

……

(b) Carbon (iv) oxide gas reacts with red-hot carbon to produce a colourless gas P

i) Identify gas P **(1mk)**

ii) State one precaution to be taken while preparing gas P in the laboratory. Explain your answer.

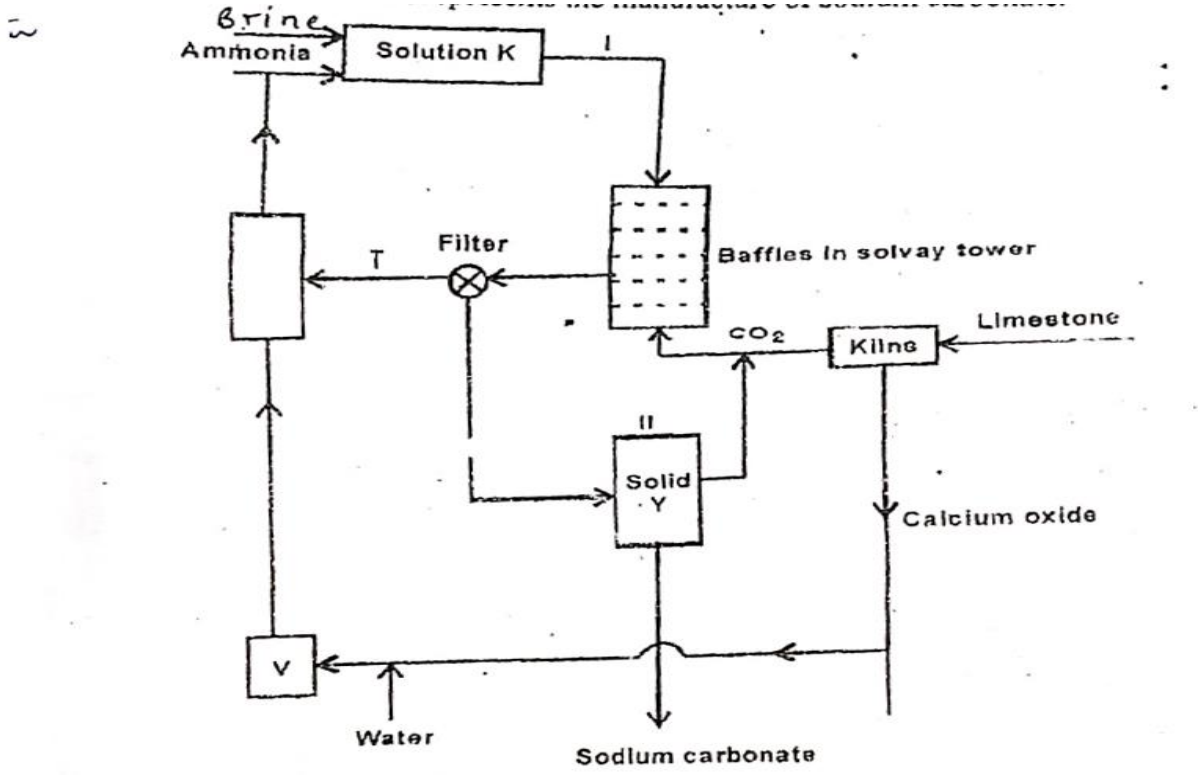
(2mks)

……

……

……

c) Study the flow chart below that represents the manufacture of sodium carbonate



(i) Identify substances; **(2mks)**

K: ……

T: ……

Y: ……..

V: ……

ii) Write an equation for the reaction that takes place in the in the;

Lime kiln **(1mk)**

……

Solvay tower **(1mk)**

……

7. The diagram below shows part of the periodic table. The letters do not represent the actual symbols of the elements .Use the diagram to answer the questions that follow.

								Q
R						T		
	Z		N			V	W	
Y							X	

i) Compare the reactivity of W and X, explain **(2mks)**

……

……

……

ii) Give the formula of the compound formed between Z and W **(1mk)**

……

iii) Element K is in group (v) and period 2 of the periodic table. Locate the position of the element in the grid above **(1mk)**

iv) How do the melting points of R and T compare. Explain **(2mks)**

……

……

……

……

v) Using dots (.) and crosses (x),show the bonding between K and hydrogen. **(2mks)**

vi). Select an element that could be used : **(2mks)**

i). In weather balloons

……

ii). For making cooking pots

……

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

CHEMISTRY

233/3 (PRACTICAL)
PAPER 3
TIME: 2¼ HOURS

SCHOOL…… SIGN……

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

CHEMISTRY CONFIDENTIAL

Requirements for candidates.

In addition to the fittings and apparatus that are commonly in a chemistry laboratory, each candidate requires:

1. 50ml burette.
2. 25 ml pipette.
3. 2 conical flasks.
4. Solution A – about 75cm^3.
5. Solution B – about 100cm^3.
6. White tile.
7. Stand and clamp.
8. Solid F – 5g exactly.
9. 10ml measuring cylinder.
10. One 100 ml beaker with water for cooling.
11. 3 boiling tubes.
12. Thermometer.
13. Means of heating.
14. Distilled water in a wash bottle.
15. Solid C – About 2 spatula.
16. Solid D – about 1 spatula
17. Metallic spatula.
18. 3 Filter papers.

19. Filter funnel.
20. 6 test tubes in a rack.
21. Test tube holder.
22. 2M HCl (about 8 cm^3)

ACCESS TO:

- 2M NaOH
- 2M NH_4OH
- Phenolphthalein indicator.
- Access to acidified $KMnO_4$.
- 2M $Ba(NO_3)_2$
- Universal indicator and pH chart

} All supplied with droppers

PREPARATION OF SOLUTIONS / SOLIDS

- Solid F – Potassium chlorate (V).
- Solution A is prepared by dissolving 21g of oxalic acid in about 500cm^3 of distilled water and making it up to one litre.
- Solution B is prepared by dissolving 4g of NaOH pellets in about 250cm^3 of distilled water and making it to ½ litre of solution.
- Solid C is a mixture of $CuCO_3$ and $ZnSO_4$ in the ratio 2 : 1 by mass respectively
- Solid D is oxalic acid.
- Acidified $KMnO_4$ is prepared by dissolving 3.2g of solid $KMnO_4$ in 400cm^3 of 2.0M H_2SO_4acid then topping with distilled water to 1000cm^3.

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

CHEMISTRY

233/3 (PRACTICAL)
PAPER 3
TIME: 2¼ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

(a) *Write your name and index number in the spaces provided above.*

(b) *Answer all the questions in the spaces provided.*

(c) *Take the first 15 minutes to read the question paper and make sure you have all the chemicals and apparatus required.*

(d) *Mathematical tables and silent electronic calculators may be used.*

(e) *All working must be clearly shown where necessary.*

FOR EXAMINER'S USE ONLY

QUESTION	MAXIMUM SCORE	CANDIDATE'S SCORE
1	12	
2	13	
3	15	
TOTAL SCORE	**40**	

1. You are provided with:

- 5g of solid F
- Distilled water

You are required to determine solubility of solid F at different temperatures.

Procedure

Transfer all the solid F into a boiling tube. Using a 10ml measuring cylinder, measure $10cm^3$ of water into the boiling tube. Heat the mixture while stirring with the thermometer to about 90^0C. When all the solid has dissolved, allow the solution to cool while stirring with the thermometer. (Cooling of the solution can be speeded up by dipping the boiling tube in cold water in a glass beaker for a few seconds.)

Record the temperature at which the crystals of solid F first appear in the table below.

Retain the boiling tube and its contents for further experiments.

Measure $5cm^3$ of distilled water and add it to the mixture in the boiling tube. Heat until the crystals dissolve, then cool while stirring with a thermometer.

Record the temperature at which the crystals again start to reappear.

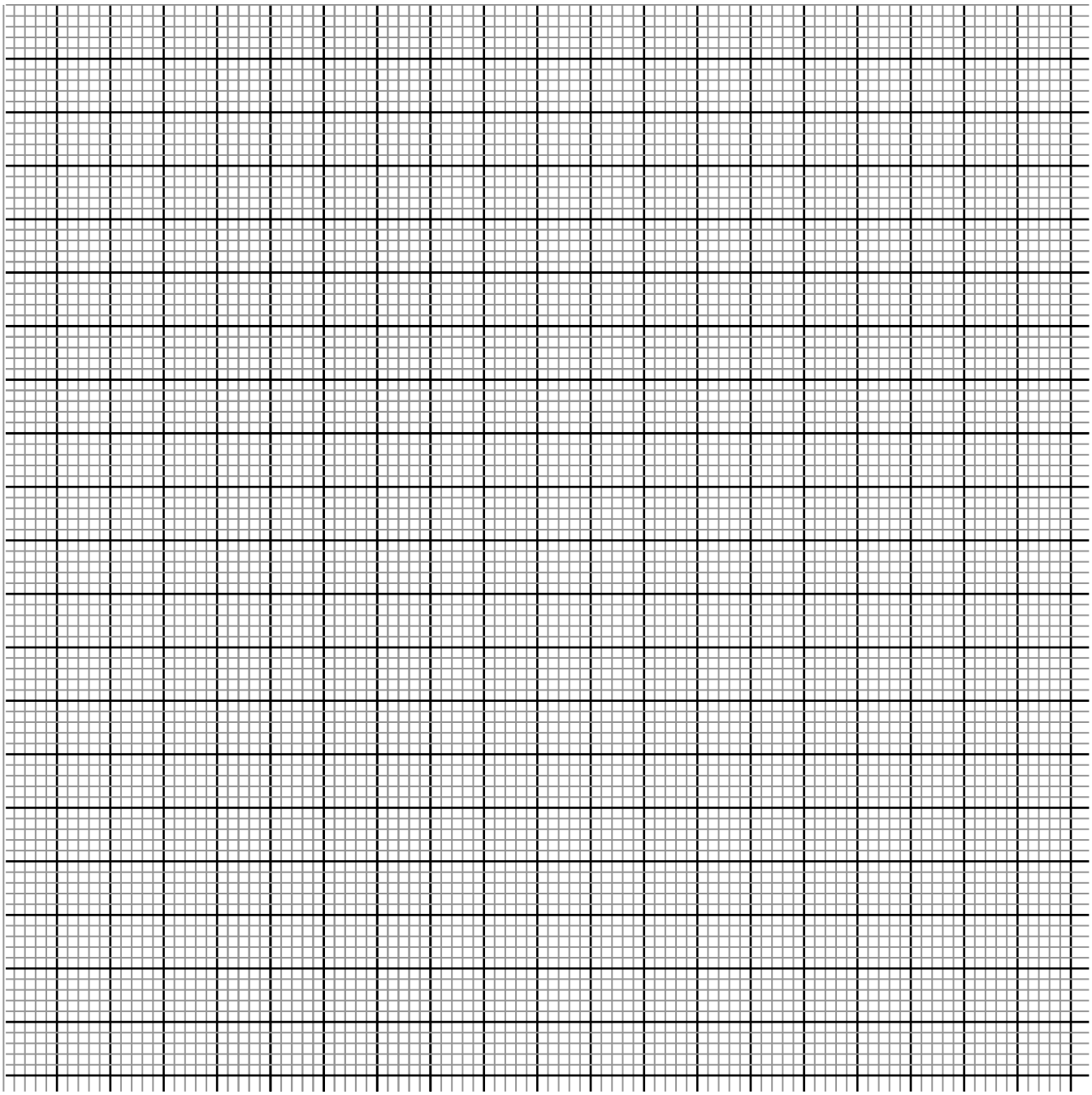
Repeat this procedure, each time adding more $5cm^3$ of distilled water, heating, cooling and recording the crystallization temperature until the table is completely filled.

Total volume of water added to 5g of solid F (cm^3)	**10**	**15**	**20**	**25**	**30**	**35**
Temperature at which crystals appear (^0C)						
Solubility of F in g/100g of water						

(a) Complete the table and calculate the solubility of solid F in g/100g of water at different temperatures. **(6 marks)**

(b) On the grid provided, plot a graph of solubility of solid F against temperature. **(3 marks)**

For Marking Schemes Contact 0746 222 000 / 0742 999 000



(c) From the graph determine:-

(i) The solubility of F at 50^0C. **(1 mark)**

(ii) The molarity of solution F at 50^oc (molar mass of F= 122.5). **(1 mark)**

(d) From your results calculate the mass of F that will crystallize out when a hot solution at 52^0C is cooled to 48^0C. **(1 mark)**

2. You are provided with: 0.2m hydrochloric acid labeled solution A
sodium hydroxide solution labeled as solution B
You are required to determine the molarity of solution B

Procedure

1. Fill the burette with solution A
2. Using a pipette and a pipette filer, pipette 25.0cm ^{3} of solution B and place in conical flask.
3. Add 2 drops of phenolphthalein indicator and titrate with solution A until the pink colour disappears.
4. Record the results in the table below
5. Repeat the titration two more times and complete table below

Titration	**I**	**II**	**III**
Final burette reading (cm^3)			
Initial burette reading (cm^3)			
Volume of solution A used (cm^3)			

(4mks)

i. Calculate the average of solution A used **(1mk)**

ii. Calculate the number of moles of solution A **(2mks)**

iii. Calculate the molarity of solution B **(3mks)**

iv. Calculate the concentration of sodium hydroxide in grams per litre **(2mks)**

3. You are provided with solid C and D. Carry out the tests below. Write your observations and inferences in the spaces provided.

(a) Place the solid C in a boiling tube. Add about $10cm^3$ of distilled water. Stir and filter. Keep the residue for further tests. Divide the filtrate into three portions.

(i) To the first portion, add sodium hydroxide solution till in excess.

Observations (1mk)	**Inferences (1mk)**

(ii) To the second portion, add ammonium hydroxide solution till in excess.

Observations (1mk)	**Inferences (1mk)**

(iii) To the third portion, add 3 drops of barium nitrate solution followed by 3 drops of hydrochloric acid.

Observations (1mk)	**Inferences (1mk)**

(c) Put the residue in a boiling tube. Add about $5cm^3$ of 2M hydrochloric acid.

Take a 2 cm^3 portion of the solution obtained, add ammonia solution until in excess.

Observations (2mk)	**Inferences (1mk)**

(d) Carry out the following tests on an organic compound D.

(i) Using a clean metallic spatula heat a ½ spatula of solid P in a Bunsen burner flame.

Observation (1mk)	Inferences (1mk)

(ii) Put the remaining solid D in a boiling tube. Add about 6 cm^3 of distilled water. Warm the mixture and divide the solution into two portions.

Observation (½ mk)	**Inferences (½ mk)**

I) Test the pH of the 1st portion

Observations (½ mk)	Inferences (½ mk)

II) To the second portion, add 1-2 drops of acidified potassium manganate (VII) solution.

Observations (1mk)	Inferences (1mk)

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CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

PHYSICS

232/1 (THEORY)
PAPER 1
TIME: 2 HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO THE CANDIDATES:

a) *Write your **name and index number** in the spaces provided above.*

b) *Answer **all** the questions both in section **A** and **B** in the spaces provided below each question*

c) *All workings **must** be clearly shown; marks may be awarded for correct steps even if the answers are wrong.*

d) *Mathematical tables and silent electronic calculators may be used.*

FOR EXAMINERS' USE ONLY

SECTION	QUESTION	MAX SCORE	CANDIDATE'S SCORE
SECTION A	1-7	25	
SECTION B	8		
	9		
	10		
	11		
	12		
	TOTAL	80	

SECTION A (25 MARKS)

Answer All Questions In This Section In The Spaces Provided

1. Define pressure and state its SI units **(2mks)**

……

……

……

2. State 2 safety rules to be observed in the laboratory **(2mks)**

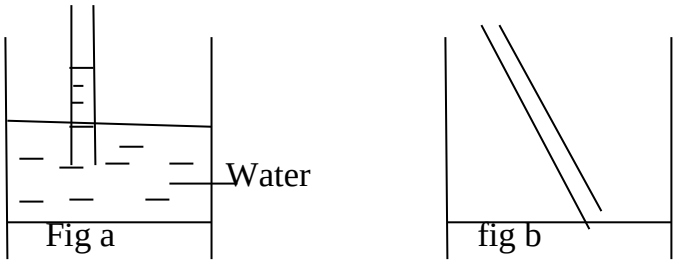
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3. Sketch a section of a venier calipers with a zero error of +0.01cm reading a diameter of a ball bearing whose actual diameter is 2.54cm **(3mks)**

4. The diagram below shows a capillary tube inserted in water.



(a) Make a sketch on figure (b) to show appearance of capillary tube if it was inserted in Mercury. **(1mk)**

(b) Explain the differences if any between figure (a) and (b) above **(2mks)**

……

……

……

5. When a thermometer is dipped in a warm liquid, the level of mercury first drops before rising. Explain **(2mks)**

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6. (a) State Hokes Law **(1mk)**

……

……

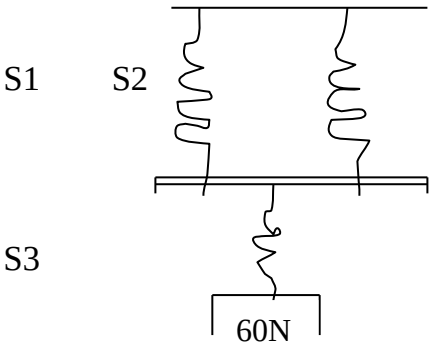
(b) Define the following terms **(3mks)**

(i) Ductility

(ii) Brittleness

(iii) Elasticity

(c) The set up below was used in an experiment. Calculate the total extension given the springs are identical with a spring constant 10N/cm **(3mks)**



7. (a) State the 3 states of **matters** **(3mks)**

……

……

……

(b) using kinetic theory of matter differentiate between solids and liquids. **(3mks)**

SECTION B (55 MKS)

8. (a) A tape attached to an accelerating trolley passes through a ticker timer that makes dots on it at a frequency of 50 Hz. The ticker timer makes 10 dots on a 10cm long tape such that; the distance A between the first two dots is 0.5cm and the distance B between the last 2 dots is 1.5 cm.

(i) Determine the velocity of the trolley at:

I.Distance A, **(4mks)**

II. Distance **B** **(2mks)**

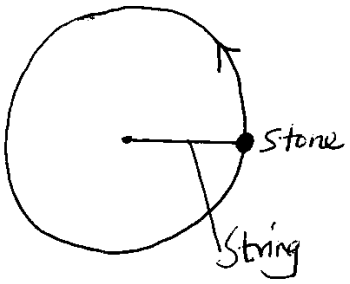
(ii) Determine the acceleration of the trolley **(3mks)**

(b) State with a reason what would be observed on the spacing between the dots on the tape when the trolley is made to move on a horizontal surface **(2mks)**

9. (a) Define the term centripetal **force** **(1mk)**

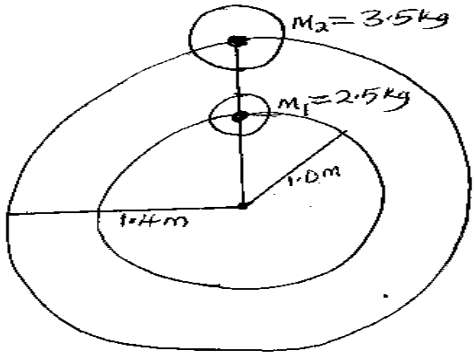
(b) When a car is travelling on a mud road, mud flies off the fast spinning wheels. Explain this observation. **(1mk)**

(c) The figure below shows the path of a stone attached to a string whirled in a space in a horizontal circle.



Sketch on the diagram the path the stone follows if the string breaks when the body is at the position shown **(1mk)**

(d) Two masses m_1 = 2.5kg and m_2 = 3.5kg are connected by alight string and are in uniform circular motion on a horizontal frictionless surface as shown in the figure below.



The masses describe circles of radii r_1 = 1.0m and r_2 = 1.4m respectively and the angular velocity of the masses is 5.0 radians per second

(i) Which of the two masses is moving faster? Give a reason for your answer **(2mks)**

(ii) Determine the

I. Centripetal force on m_1 **(2mks)**

II. Centripetal force on m_2 **(2mks)**

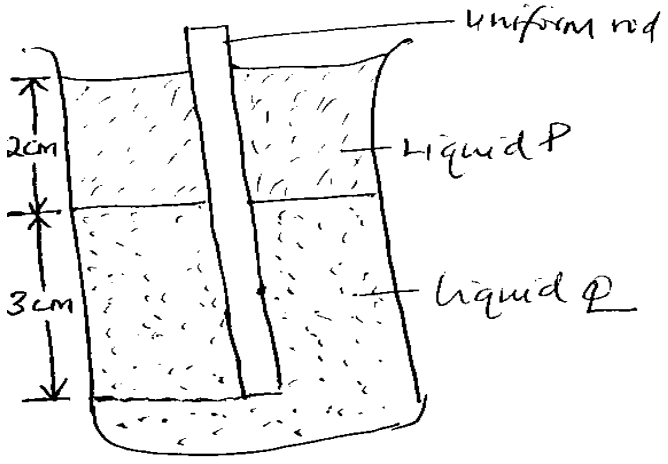
III. The tension T on the string **(2mks)**

10. (a)State the law of floatation **(1mk)**

……

……

(b) The figure below shows a uniform rod of height 8cm floating vertically in a beaker containing two immiscible liquids P and Q. The densities of the liquids are 800kg/m^3 and 1200kg/m^3 respectively and the cross sectional area of the rod is 2cm^2.



Determine

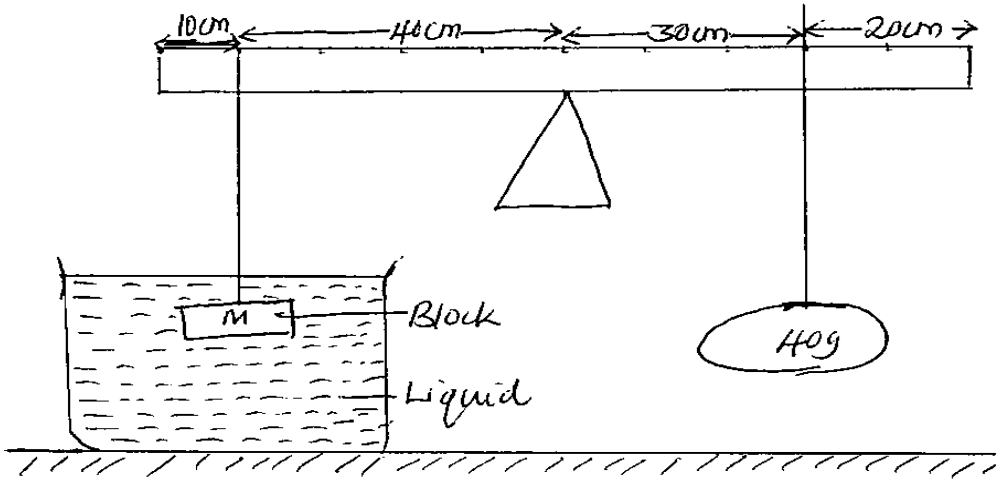
i.The weight of liquid p displaced by the rod**.** **(3mks)**

ii. The weight of liquid Q displaced by the rod**.** **(2mks)**

iii. The mass of the rod**.** **(1mks)**

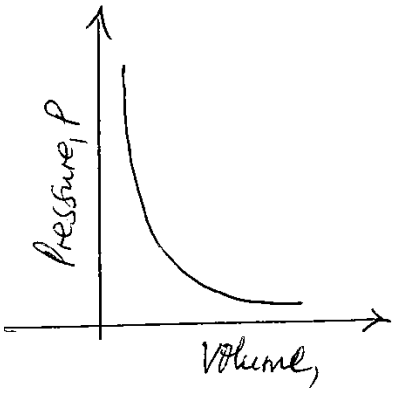
iv. The density of the rod **(2mks)**

(c) The figure below shows a block of volume 50cm3 and density 2000kg/m3 submerged in a liquid and suspended from a uniform horizontal beam by means of a thread. The beam is balanced by a spherical mass of 40g which is suspended from it on the other side of the pivot as shown.



Determine the Upthrust force acting on the block **(3mks)**

11. (a) The figure below shows a graph of pressure against volume for a fixed mass of a gas at constant temperature. In the spaces provided sketch a graph of pressure, P against $\frac{I}{V}$. **(1mk)**

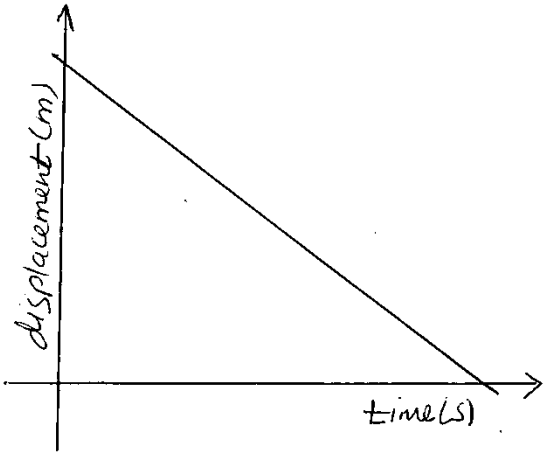


(b) Explain the pressure law using the kinetic theory of matter **(3mks)**

(c) A 20cm 3 of a gas exerts a pressure of 760 mmhg at 25°c. Determine the temperature of the gas when the pressure increases to 900mmhg and the volume decreases to $15cm^3$ **(3mks)**

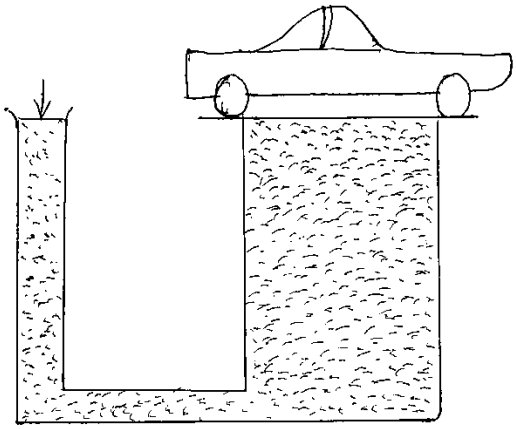
d (i) A car undergoes uniform retardation to rest from 10m/s covering a distance of 25m. Determine its deceleration. **(2mks)**

(ii) The figure below shows a displacement time graph for the motion of a particle. On the axis in figure below, sketch a velocity time graph for the same motion **(1mk)**



12. (a) Define the term velocity ratio of a machine **(1 mk)**

(b) The figure below shows part of the hydraulic lift system. State any one property of the liquid under which the hydraulic system works **(1mk)**



The hydraulic lift machine above has velocity ratio 45 and it overcomes a load of 4500 when an effort of 135N is applied

Determine:

i. The mechanical advantage of the machine **(3mks)**

ii. Efficiency of the machine **(3mks)**

iii. The percentage of work that goes to waste **(1mk)**

(c) A metallic box weighs 188N and measures 10cm by 30cm by 8cm. determine the maximum pressure it can exert when lying on one of its surfaces **(3mks)**

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

PHYSICS

232/2 (THEORY)
PAPER 2
TIME: 2 HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS

a) *Write your name and your Index number in the spaces provided.*

b) *This paper consists of **two** sections, Section **A** and **B.** Answer **ALL** the questions in both section in the spaces provided in this paper.*

c) ***ALL** working must be clearly shown.*

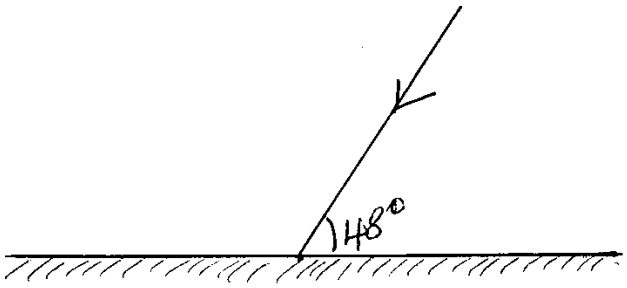
d) *Mathematical tables and electronic calculators **may be** used.*

FOR EXAMINER'S USE:

SECTION	QUESTION	MAXIMUM SCORE	STUDENTS SCORE
A	1-15	25	
B	16	10	
	17	15	
	18	15	
	19	15	
	TOTAL	**80**	

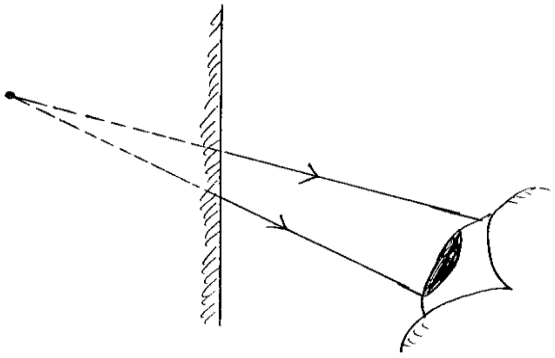
SECTION A: 25 MARKS

1. The diagram below shows a ray of light incident on a plane mirror. Determine the angle of reflection **(1mk)**

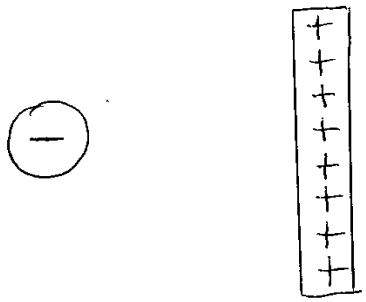


2. A pin hole camera of length 10cm is placed 0.5m away from a goal post. A sharp image of the goal post 15cm high is formed on the screen. Determine the height of the goal post**. (2mks)**

3. The figure below shows an image formed in a plane mirror. By drawing incident rays for the rays shown, locate the position of the object **(2mks**



4. The figure below shows a negative charge near a plate carrying a positive charge. Draw the electric field pattern between them **(2mks)**



5. An electrostatic generator sets up a current of 20mA in a circuit. calculate the charge flowing through the circuit in 15 seconds **(2mks)**

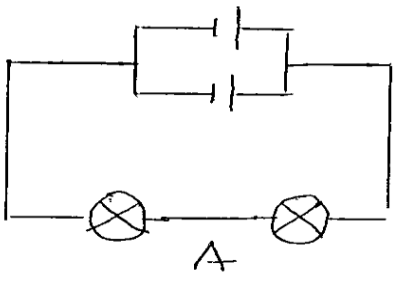
6. State away in which polarization reduces the current in a simple cell **(1mk)**

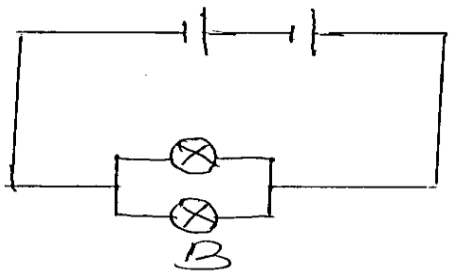
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7. A car accumulator can be used for long if well taken care of. Apart from recharging them regularly, state any other way of increasing its life span **(1mk)**

8. A form one student was investigating the brightness of bulbs in the setup of circuits below. He used identical bulbs and cells.





(i) State which setup had the brightest bulb **(1mk)**

(ii) Explain the answer in (i0 above **(1mk)**

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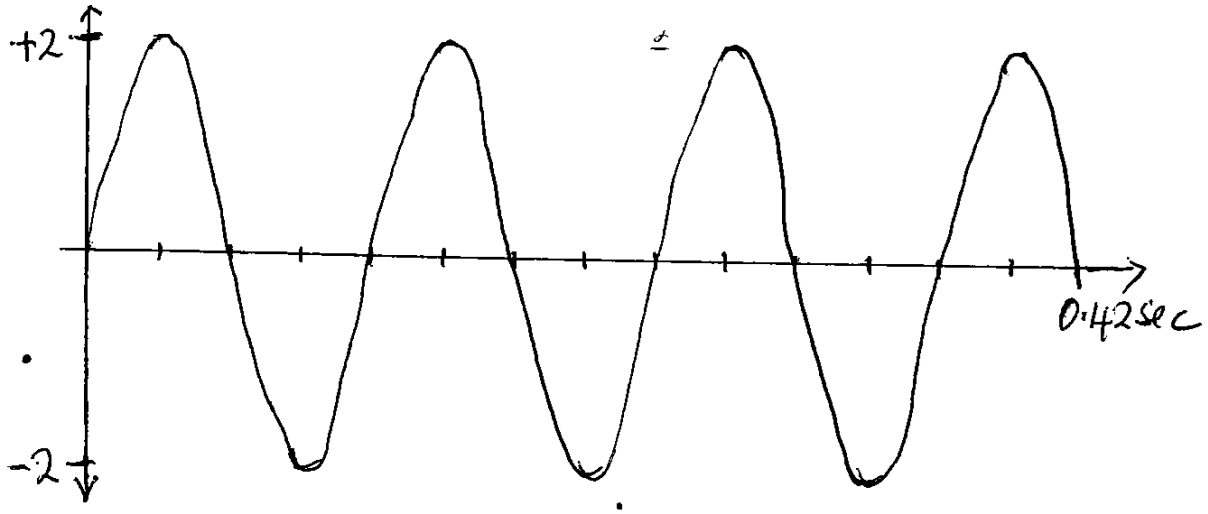
9. State one factor that affect the speed of sound in air **(1mk)**

……

10. An echo sounder of a ship transmits sound waves to depth of the sea and receives the echo after 1.2 seconds. if the speed of sound in sea water is 1600n/s, determine the depth of the sea

(3mks)

11. The figure below shows a transverse wave.



Calculate the frequency of the wave **(2mks)**

12. Sketch another wave on the same diagram (in question 11) that has double the frequency and half the amplitude and label it as m **(2mks)**

13. A heating element has a resistant coil of 75 ohms and it takes a current of 6A. calculate the heat developed in 2 minutes **(2mks)**

14. Calculate the current that a bulb rated at 100w and designed for a mains supply of 250v drawn when operating normally **(2mks)**

SECTION B (55 MAKS)

15. a) Define term focal plane as used in thin lenses **(1 mark)**

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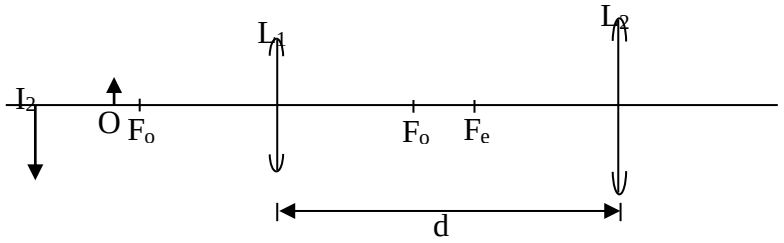
b) Give the functions of the following parts of a lens camera**.** **(3 marks)**

i. Shutter:

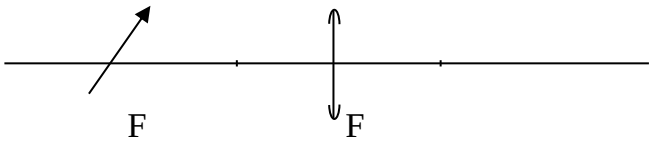
ii. Film:

iii. Diaphragm:

c) A compound microscope with objective lens L_1 of focal length 0.8cm and an eyepiece lens L_2 of focal length 2.5cm is shown in figure below. An object O is placed in front of the objective lens at a distance u_1 of 1.2cm. The system forms a final image I_2 at a distance of 10cm from L_2. Determine the distance of separation of lenses L_1 and L_2. **(4 marks)**

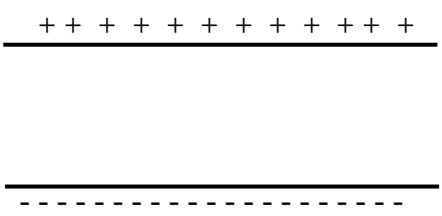


d) The figure below shows an object placed in front of a convex lens. Complete the ray diagram to show the position of the image. **(3 marks)**



16. a) Define the term capacitance. **(1 mark)**

b) The figure below shows two charged plates close to each other



(i) Complete the diagram to show the electric field patterns between the plates **(1 mark)**

(ii) Without changing the area of overlap, suggest two ways of increasing the capacitance of a parallel plate capacitor**.** **(2 marks)**

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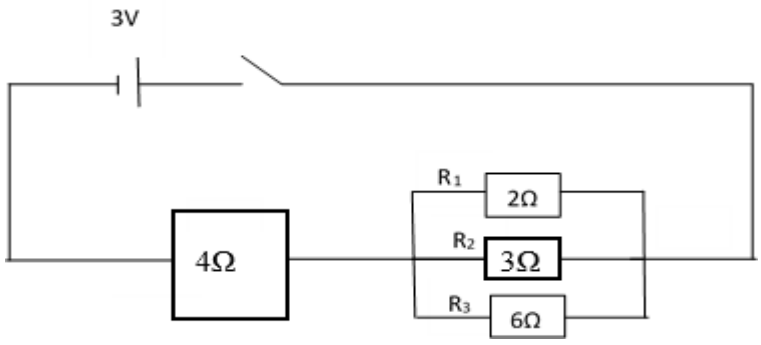
c) You have been provided with **THREE** identical capacitors each of capacitance 12 μF. State and show how you would combine them to get the following effective capacitance

(i) 36µF **(2marks)**

(ii) 4µF **(2marks)**

(iii) 8µF **(2marks)**

17. (a) Study the circuit diagram in **figure below** and answer the following question



(i) Calculate the effective resistance of the circuit. **(3 marks)**

(ii) Determine the current through the 3 □ resistor **(4 marks)**

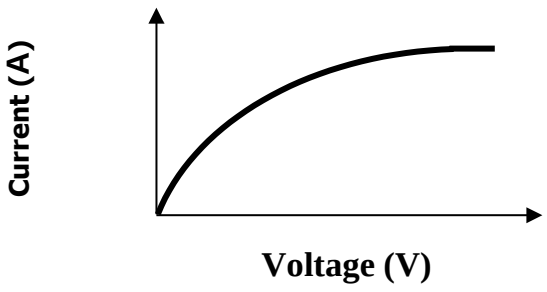
(c) b) State ohms law **(1 mark)**

(d) Eight dry cells can be arranged to produce a total e.m.f of 12v just like a car battery.

(i) Determine the e.m.f of an individual cell **(1 mark)**

(ii) Explain why it is possible to start a car with the lead acid accumulator, but not with theeight dry cells in series. **(2 marks)**

(e) For a particular bulb, a series of readings of the current through the bulb for differentpotential differences across it is taken and plotted as shown in **figure** below.

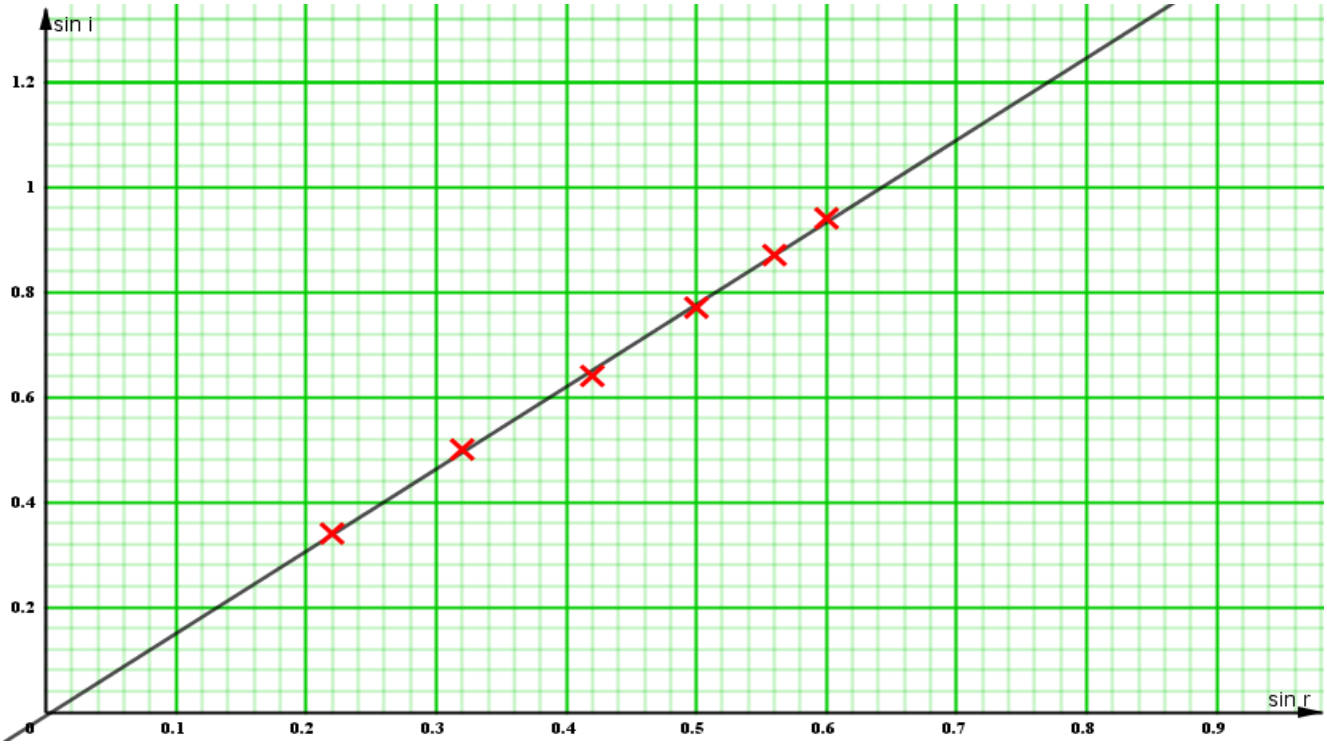


i) Draw the circuit diagram you would use for the experiment. **(1 mark)**

ii) Explain how the resistance of the bulb changes **(2 marks)**

18. (a) State two laws of refraction of light **(2 marks)**

b)A student carried out and experiment on refraction of light incident on a glassblock. She then drew the graph of sin **i** (y – axis) against sin **r** as shown in the **figure** below.



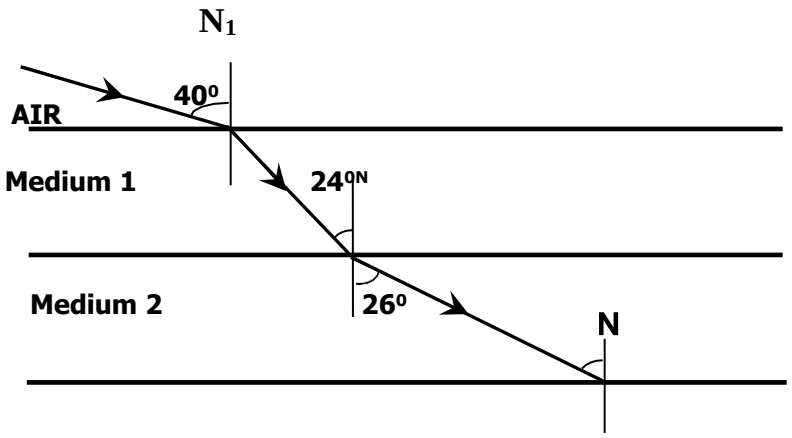
From the graph

(i) Determine the slope of the graph**.** **(3 marks)**

(ii) State what the value in b(i) represent. **(1 mark)**

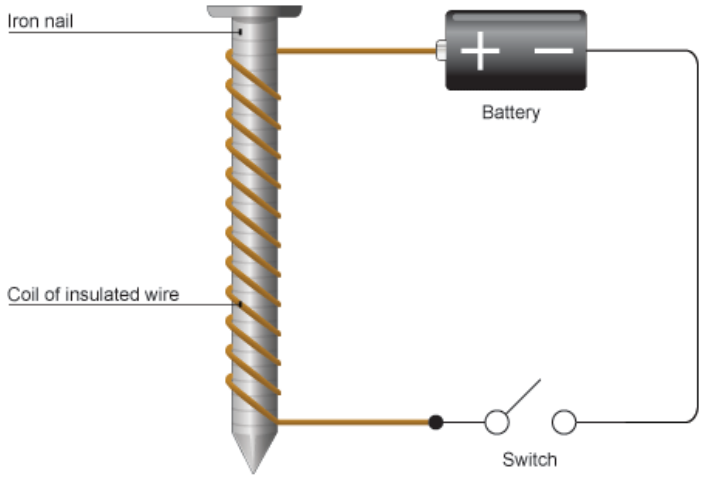
(iii) Use the results in b (i) to calculate the velocity of light in glass, given thatvelocity of light in vacuum is **3.0×10^8 m/s.** **(3 marks)**

(c) A ray of light travels from air into medium 1 and 2 as shown in **figure** below



Calculate the refractive index of medium **2** relative to Medium **1 (1n2)** **(2 marks)**

19. (a) Study the diagram below on electromagnetic and then answer the questions after it.



(i) Give a reason for winding the wire into a coil**.** **(1 mark)**

b) Explain the difference between magnetism of electromagnets and bar magnets. **(2 marks)**

(iii)State ways in which electromagnet can be made stronger**.** **(2 marks)**

(**b)** Explain how an electric bell works. **(3 mrks)**

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

PHYSICS

232/3 (PRACTICAL)
PAPER 3
TIME: 2½ HOURS

SCHOOL…… SIGN……

CONFIDENTIAL

Each candidate should be provided with the following

QUESTION 1

- Resistance wire fitted on a scale labeled MN (SW 28)
- Switch
- Voltmeter (0-3v) or(0-5v)
- Ammeter (0-2.5A)OR (0-3 A)
- Two dry cells
- Six connecting wires at least 4 with crocodile clips

QUESTION 2

- A concave mirror Focal length 15 cm
- Mirror holder.
- A screen
- A meter rule
- A candle
- A match box (to be shared)
- a boiling tube
- a measuring cylinder (50ml)
- a half metre rule
- water in a beaker about 100ml
- a stand complete with boss and clamp
- vernier callipers (may be shared)

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

PHYSICS

232/3 (PRACTICAL)
PAPER 3
TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES:-

- *Write your **name**, **index number** and **school** in the spaces provided above.*
- *Answer **all** the questions in the spaces provided in the question paper*
- *You are supposed to spend the first **15 minutes** of 2 ½ hours reading the whole paper carefully before commencing your work.*
- *Marks are given for a clear record of the observations actually made, their suitability, accuracy and the use of them*
- *Record your observations as soon as you make them.*
- *Mathematical tables, slide rules and silent non-programmable electronic calculators may be used. Take $g = 10ms^{-2}$*

FOR EXAMINERS' USE ONLY:

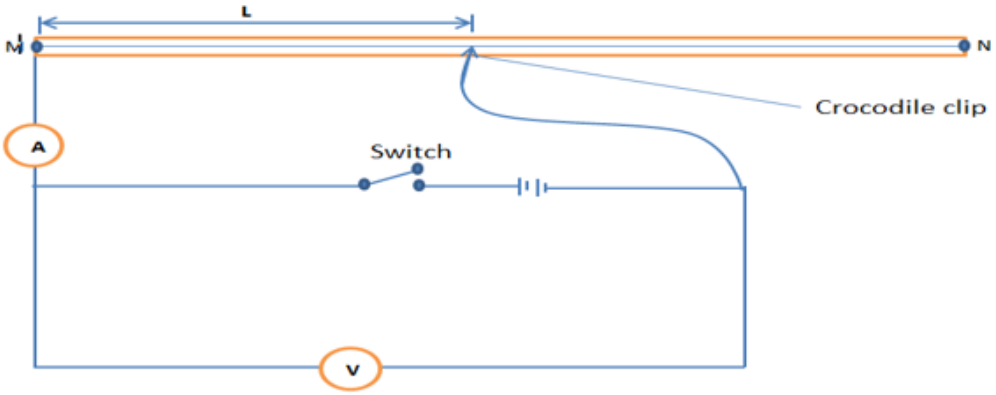
QUESTION	MAXIMUM SCORE	CANDIDATE SCORE
1	20	
2	20	
TOTAL SCORE	**40**	

QUESTION 1

a) You are provided with the following apparatus:

- Resistance wire fitted on a millimeter scale labeled MN
- Switch
- Voltmeter (0-3v) or(0-5v)
- Ammeter (0-2.5) or(0-3)
- Two dry cells
- Six connecting wires

i) Set up the apparatus as shown in the fig 1 below.



ii) Remove the crocodile clip from the resistance wire MN and close the switch. Record the voltmeter reading.

V_0=……V (1mk)

iii) Attach the crocodile clip to the resistance wire such that L=0.

Read and record the ammeter reading at L=0

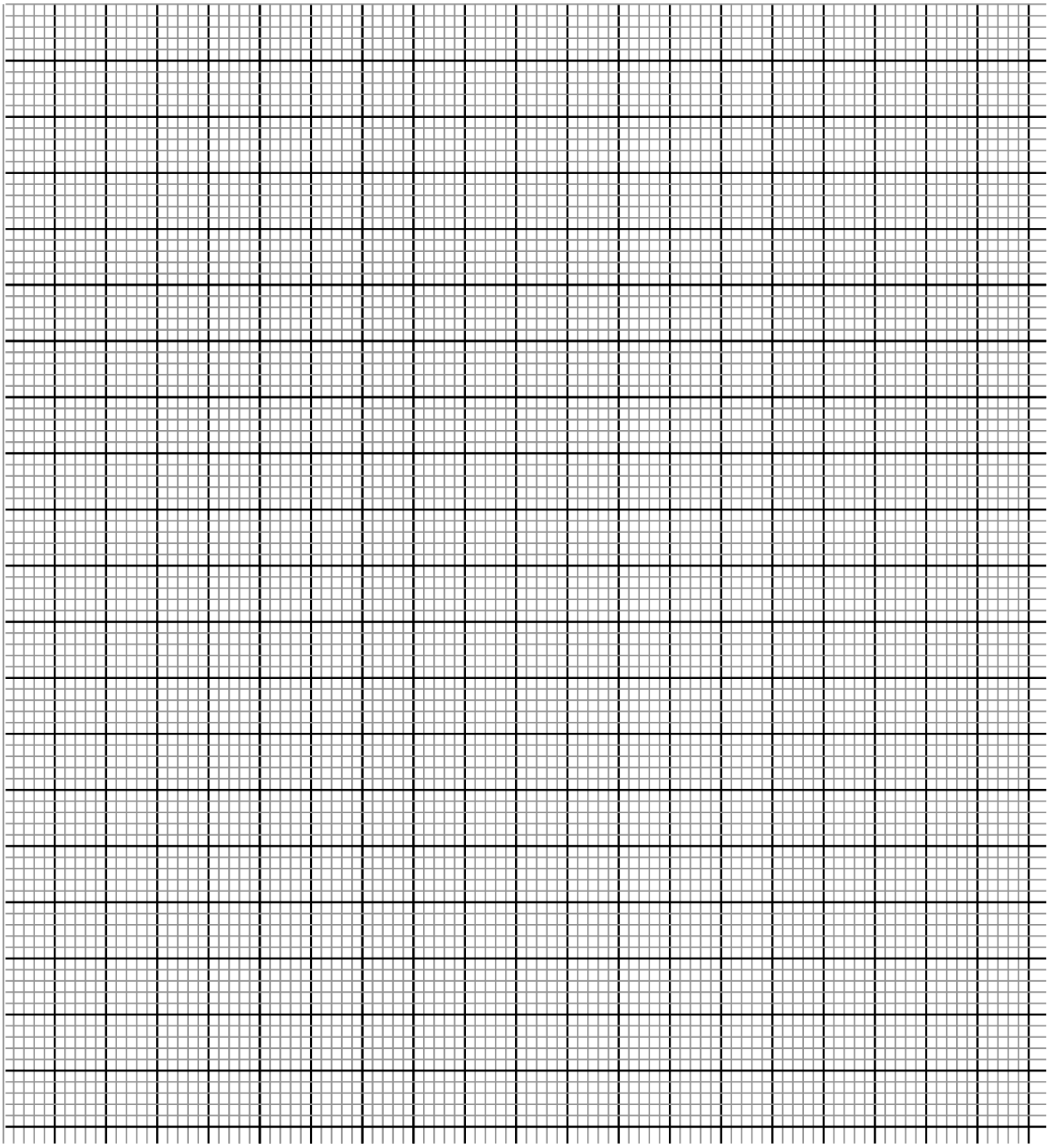
I_0=……..A (1mk)

iv) Repeat the procedure in (iii) and for L=10cm, 20 cm, 30 cm, 40 cm, 50cm, 60 cm, 70cm and 80 cm and record the voltmeter and ammeter reading in the table below.

v) Complete the table below. **(7marks)**

Length L(cm)	10	20	30	40	50	60	70	80
Current I(A)								
p.d V(V)								
V_0-V								
$\frac{V}{V0-V}$								
$\frac{V}{I}$ = R (Ω)								

vi) a) Plot the graph of $\frac{V}{V0-V}$, vertical axis against R **(5marks)**



b) Determine the slope of the graph **(3marks)**

c) Given that $\frac{V}{V0-V} = \frac{MR}{5} + d$

Where M and d are constants, Determine the values of M and d from the graph. **(3marks)**

QUESTION 2

PART A

You are provided with the following.

- A concave mirror
- A mirror holder.
- A screen
- A meter rule
- A candle
- A match box (to be shared)

Proceed as follows:

a. i)Using the concave mirror provided focus a sharp image of a distant object (a laboratory window) on the screen. Measure the distance (X) between the mirror and the screen at which a sharp image is obtained repeat this three times, and record your readings in the table below **3marks**

TRIAL	Distance(X) (cm)
1	
2	
3	

ii) Calculate the average value of X. **(2 marks)**

iii) What is the physical significance of the result obtained in (ii) above? **(1 mark)**

b) Set up the apparatus as in figure 2 below.

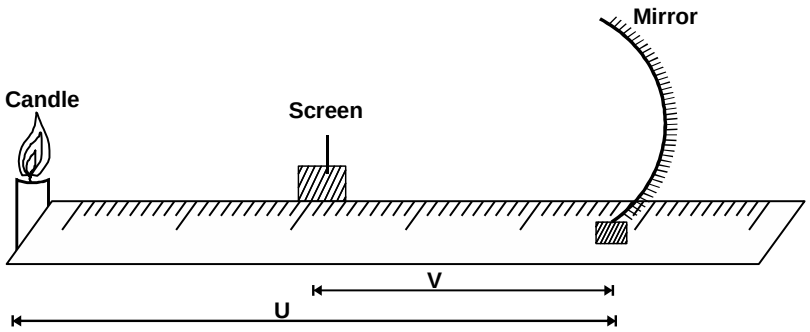


Fig 2

c) Put the object at a distance u = 30cm and from the concave mirror. Adjust the position of the screen until a sharp image is formed on the screen. Record the distance V

d) Repeat procedure (c) above for the distance u = 40cm and record the new distance V, in the table below

e) Complete the table below. **3marks**

U(cm)	$f = \frac{v}{(m+1)}$ V (cm)	m =V/U	(m + 1)
30			
40			

f) Given that , calculate the values of f in each case; **(3 marks)**

`

2 PART B

You are provided with the following :

- a boiling tube
- a measuring cylinder
- a half metre rule
- water in a container
- a stand complete with boss and clamp
- vernier callipers (may be shared)

Proceed as follows:

a) i) Using the vernier callipers measure the internal diameter,(d),of the boiling tube provided

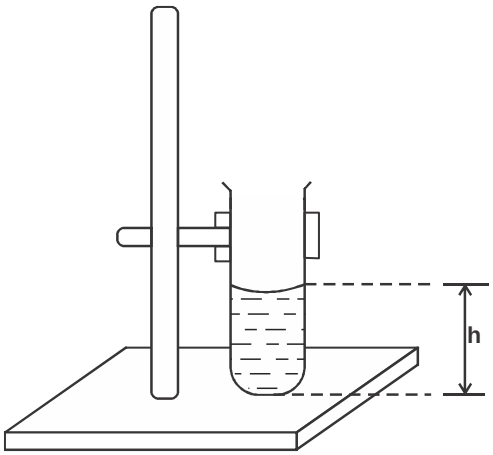
d =..... **cm** **(1/2 mark)**

ii) Using the half meter rule measure the height of the boiling tube provided

h=……cm **(1/2 mark)**

iii) Calculate the volume of boiling **tube** **(2marks)**

b) i) Clamp the boiling tube vertically as shown in the figure 1 below.



ii. Using the measuring cylinder pour 25cm^3 of water into the boiling tube. Measure and record in the table below the height h, of water in the boiling tube.

iii) Repeat the procedure in b (ii) for other volumes of water, V, shown in the table.

Volume, **V**, of water (cm^3)	Height, **h**, of water (cm)	S =**V/h**
25		
35		
45		

iv) Calculate the average value of **S** and state what it **represents** **2marks**

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

AGRICULTURE

443/1

PAPER 1 (THEORY)

TIME: 2 HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO STUDENTS

a) *Write your name and Admission number in the spaces provided at the top of this page*

b) *This paper consists of three sections: A , B and C*

c) *Answer all questions in sections A and B*

d) *Answer any two questions in section C*

e) *All answers should be written in the spaces provided*

f) *Candidate should answer the questions in English*

FOR EXAMINERS USE ONLY

SECTION	QUESTION	MAXIMUM SCORE	CANDIDATE SCORE
A	1-13	30	
B	14-15	20	
C	16-18	40	

SECTION A (30MKS)

Answer ALL the Questions in this section

1. State four advantages of mixed farming **(2 mks)**

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2. State four disadvantages of shifting cultivation **(2 mks)**

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3. State four aspects of rainfall considered when choosing a crop to grow in an area **(2 mks)**

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4. Give four reasons for treating water on the farm **(2 mks)**

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5. State four features that should be considered when choosing water pipes for use on the farm **(2 mks)**

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6. a). Give four entries that are made on a cattle breeding record **(2 mks)**

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b). State two conditions under which opportunity cost is zero in a farming enterprise **(1 mk)**

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7. Give two reasons for testing soil **(1 mk)**

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8. a). What is budding as used in vegetative propagation **(1 mk)**

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b). Give four advantages of budding and grafting in crop production **(2 mks)**

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9. What is meant by the following terms in crop production **[3 MKS]**

i. Mixed cropping

ii. Inter – cropping

iii. Crop rotation

10. a). What is meant by the term land tenure system? **(1 mk)**

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b). State four advantages of land registration **(2 mks)**

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11. State two weeds in each case **(3 mks)**

a). Poisonous

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b). Reduce quality of animal products

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c). Has underground structures

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12. State four causes of crop diseases **(2 mks)**

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13. List four post – harvest practices that are carried out in maize production **(2 mks)**

……

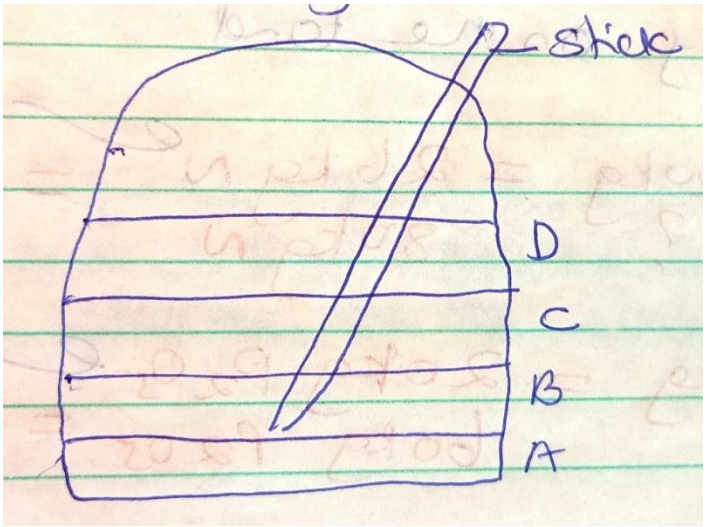
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SECTION B (20 MARKS)

14. The diagram below shows a compost heap



a). Label parts A – D **(2 mks)**

A

B

C

D

b). Identify the importance of parts C and D **(2 mks)**

C

D

c). Give one reason why compost manure is not commonly used **(1 mk)**

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15. a). A farmer was advised to apply 60 kg N, 60 kg P_2O_5 and 30 kg K_2O per hectare. Calculate the quantity of ammonium sulphate nitrates, 26%N, single super phosphate 20% P_2O_5 and potassium chloride KCl 50% K_2O the farmer should apply on the land. **(3 mks)**

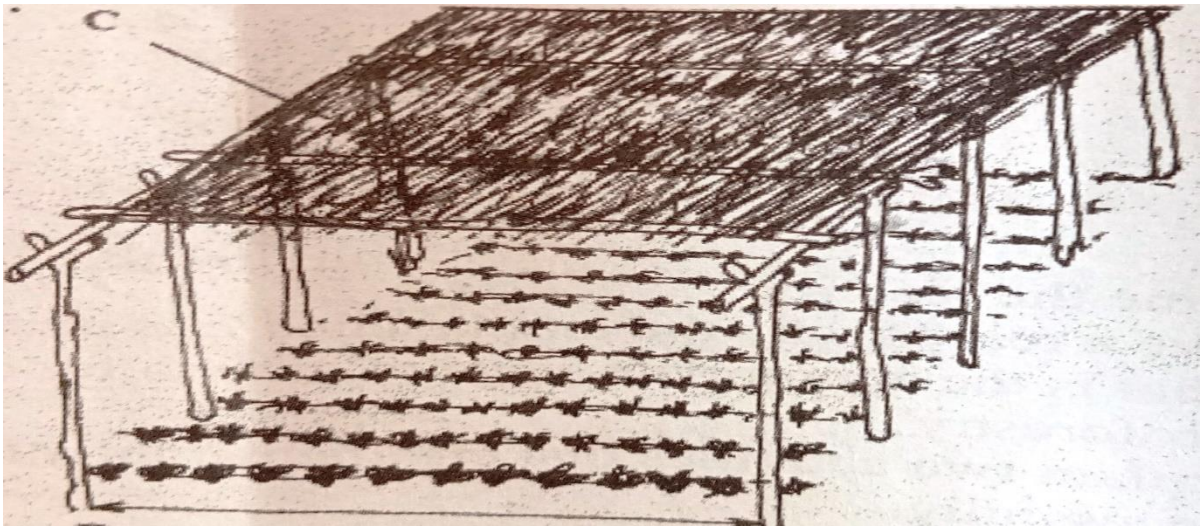
b). Differentiate between fertilizer ratio and fertilizer grade. **(2 mks)**

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16. The illustration below shows a structure used in crop production



a). Identify the structure **(1 mk)**

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b). What is the function of the part labelled C? **(1 mk)**

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……

c). State three management practices that should be carried out in the nursery from the time the seedlings emerge to the stage of transplanting **(3 mks)**

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17. The diagram below shows a weed



a). Identify the weed **(1 mk)**

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b). Give two reasons why the weed is difficult to control **(2 mks)**

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c). State two ways in which the above weed is economically important **(2 mks)**

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SECTION C(40 MARKS)

18. a). Describe four ways in which each of the following limits agricultural production **(4 mks)**

i. HIV / AIDS

ii. Low levels of education and technology **(4 mks)**

b). Describe five reasons for deep ploughing during land preparation **(5 mks)**

c). Explain seven physical methods of pest control **(7 mks)**

19. a). i]. Give two varieties of sorghum grown in Kenya **[2 MKS]**

ii). Explain factors considered when selecting seeds for planting **(8 mks)**

b). Describe importance of land consolidation **(5 mks)**

c). Explain five considerations when designing a crop rotation programme. **(5 mks)**

20. a). Describe production of tomatoes under the following sub – headings

i. Land preparation **[3MKS]**

ii. Field management practices **[5 mks]**

b). Explain eight cultural methods of soil and water conservation **(8 mks)**

c). Explain four factors that determine quality of hay **(4 mks)**

For Marking Schemes Contact 0746 222 000 / 0742 999 000

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

AGRICULTURE

443/2

PAPER 2 (THEORY)

TIME: 2 HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO STUDENTS

- ***a)*** *Write your name and Admission number in the spaces provided at the top of this page*
- ***b)*** *This paper consists of three sections: A , B and C*
- ***c)*** *Answer all questions in sections A and B*
- ***d)*** *Answer any two questions in section C*
- ***e)*** *All answers should be written in the spaces provided*
- ***f)*** *Candidate should answer the questions in English*

FOR EXAMINERS USE ONLY

SECTION	MAXIMUM SCORE	CANDIDATE SCORE
A	30	
B	20	
C	40	

For Marking Schemes Contact 0746 222 000 / 0742 999 000

SECTION A (30 MARKS)

1. Give three reasons for candling eggs in poultry production. **(1 ½ mks)**

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2. Name three methods of harvesting fish in a pond **(1 ½ mks)**

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3. Give four features of housing that help to control livestock diseases **(2 mks)**

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4. Give three ways in which farmers market beef cattle in Kenya **(1 ½ mks)**

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5. Give four disadvantages of inbreeding in livestock production **(2 mks)**

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6. Name four parts of a farm building that can be reinforced using concrete **(2 mks)**

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7. State four ways of controlling lice in poultry **(2 mks)**

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8. Name four methods of docking in sheep rearing **(2 mks)**

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9. State four characteristics of Duroc Jersey pig. **(2 mks)**

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10. Name four tools that can be used to assemble a jembe **(2 mks)**

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11. State four ways in which a vaccine can be administered to livestock **(2 mks)**

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12. State four maintenance practices carried out on a spray race. **(2 mks)**

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13. State four good hygiene practices in livestock feeding **(2 mks)**

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14. State four signs of fowl typhoid **(2 mks)**

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15. State four limitations of a tractor as a source of power on the farm. **(2 mks)**

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16. State three signs of parturition in pigs **(1 ½ mks)**

……

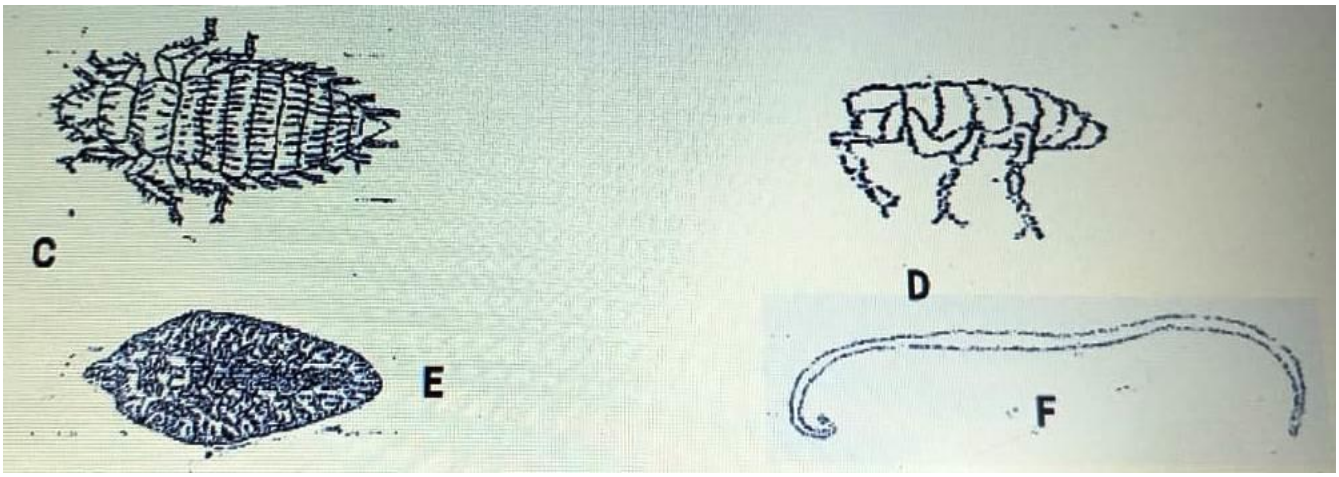
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SECTION B (30 MARKS)

17. Identify each of the parasites of livestock shown below and answer the questions that follow



i. Identify parasites labelled **C, D, E and F** **(2 mks)**

C

D

E

F

ii. State harmful effect of C and D on livestock **(2 mks)**

……

……

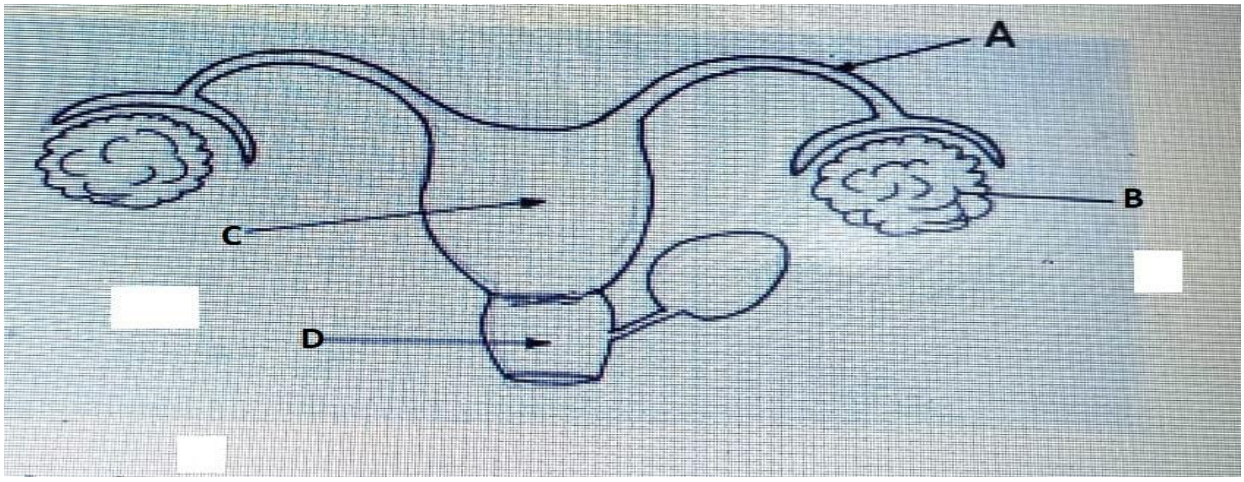
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iii. State one control measure of parasite F **(1 mk)**

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18. The diagram below illustrates the reproductive system of a farm animal. Study it and answer the questions that follow.



a. Name the part labelled **A, B, C and D.** **(2 mks)**

A

B

C

D

b. State the functions of part labelled A. **(1 mk)**

……

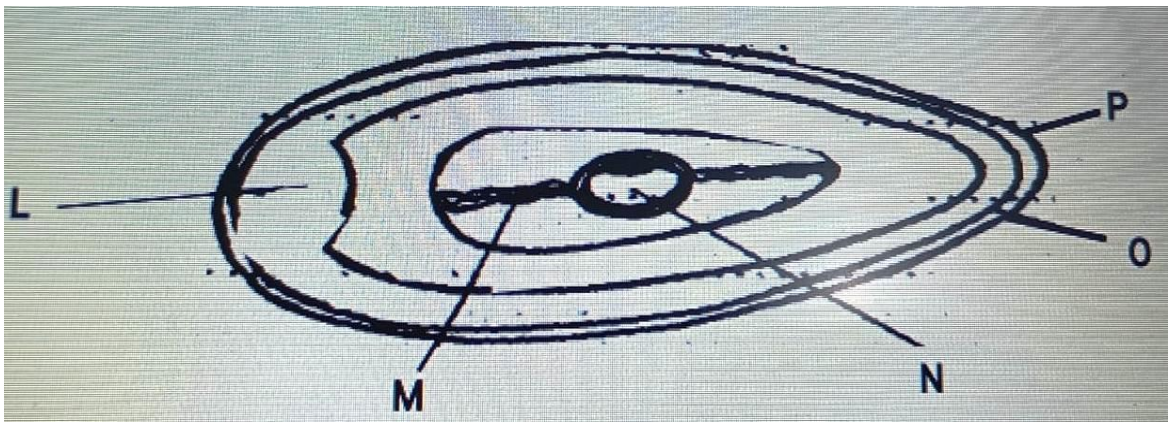
……

c. Give two signs of oestrus in cows **(2 mks)**

……

……

19. Study the diagram of an egg below and answer the questions that follow.



a. Name the parts labelled **M, L, N and O** **(2 mks)**

M

L

N

O

b. State the functions of parts M and N **(2 mks)**

M

N

c. Why should the egg be turned during incubation **(1 mk)**

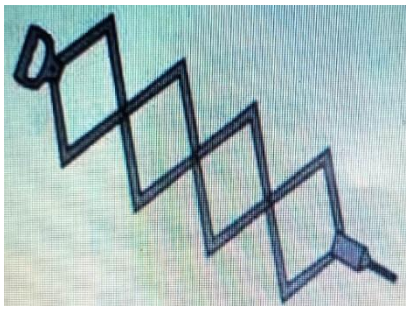
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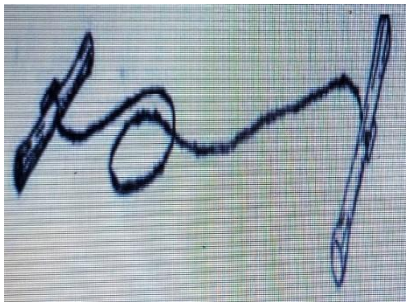
20. The diagram below represents farm tools and equipment



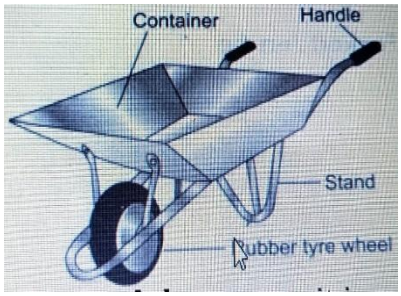
F



E



G



H

a. Identify tools labeled **E, F, G and H** **(2 mks)**

E

F

G

H

b. State one use of the tool labelled **F** **[1 mk]**

F

……

……

c. State two maintenance practices carried out in H **(2 mks)**

……

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SECTION C (40 MARKS)

21. a). Describe the management of one day old chicks in a brooder until they are eight weeks. **(10 mks)**

b. Describe the control measures of tape worms (Taenia spp) in livestock **(5 mks)**

C. Give five reasons for keeping livestock healthy **(5 mks)**

22. a). Describe the causes of low egg production in layers **(12 mks)**

b). Explain eight factors that determine the daily feed requirements of a farm livestock **(8 mks)**

23. a). Describe Anaplasmosis (gall sickness) disease under the following sub headings

i. Causal organism **(1 mk)**

ii. Animal attacked **(1mk)**

iii. Symptoms of attack **(4 mks)**

iv. Control **(2 mks)**

b). State five disadvantages of natural mating in livestock **(6 mks)**

c). Give five functions of equipment used in clean milk production **(6 mks)**

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

BUSINESS STUDIES

565/1

PAPER 1

TIME: 2 HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

a) *Write your name and index number in the spaces provided above.*

b) *Sign and write the date of the examination in the spaces provided above.*

c) *This paper consists of 25 questions.*

d) *Answer all the questions in this paper.*

e) *All your answer must be written in the spaces provided in the question paper*

f) *Non –programmable silent electronic calculator may be used.*

FOR EXAMINER'S USE ONLY

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Marks														

Questions	15	16	17	18	19	20	21	22	23	24	25
Marks											

Total Marks

For Marking Schemes Contact 0746 222 000 / 0742 999 000

Answer All The Questions In The Spaces Provided.

1. State four characteristics of good money**.** **(4mks)**

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2. State whether the following transactions have a debit or a credit entry**.** **(4mks)**

Transaction	Entry
a. Increase in assets	
b. Increase in liabilities	
c. Increase in revenue	
d. Decrease in capital	

3. Highlight four factors that should be considered by a firm when deciding on the promotional method**.** **(4mks)**

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4. Identify the type of utility created in the following circumstances**.** **(4mks)**

Activity	Type of utility
a) Carpentry	
b) Selling bread to students	
c) Warehousing of imported cars	
d) Carriage of cargo to the market.	

5.

6. The following information relates to jua kali enterprise for the year ended 31st, Dec ,2022.

Margin 20%

Sales ksh 250,000

Determine the following:

a) Gross profit. **(2mks)**

b) Mark-up**.** **(2mks)**

7. Indicate whether the following factors lead to a shift in the demand curve or a movement along the demand curve**.** **(4mks)**

Factor	Effect
i. A change in income	
ii. A decrease in sales tax	
iii. An increase in price of a product	
iv. Future expectations of change in price of a product	

8. Highlight four reasons that has led to reduced use of postal services in Kenya**.** **(4mks)**

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9. Highlight four reasons why it is important to make a choice while satisfying human wants**.**

(4mks)

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10. In each of the following cases state the source document used**.** **(4mks)**

a) When goods are sold in cash_____

b) When goods are sold on credit_____

c) When correcting an undercharge_____

d) When goods are bought on credit_____

11. Highlight the basic concept of population described in the statements below**.** **(4mks)**

a) Population that is composed of persons aged 18 years and below.

_____

b) Average number of years a person born alive is expected to live.

_____

c) Number of people who die per thousand people per year.

_____

d) A population that is too large to be supported by the existing resources.

_____

12. State the clause of the memorandum of association described by the following statements.(4mks)

a) States the desire of the promoters to form the company._____

b) Specifies the activities to be carried out by the company._____

c) States the name of the company which must end with the word "limited."_____

d) Declares the liability of all shareholders._____

13. **Maragua traders**

Two column cash book

Dr **For the month of may 2024** **Cr**

date	details	L.f	cash	bank	date	details	L.f	cash	bank
1/5/24	Bal b/d		**P**		1/5/24	Bal b/d			8200
9/5/24	sales			40,000	7/5/24	purchases		6000	
13/5/24	debtors			19,800	10/5/24	creditors			14,400
18/5/24	bank	c	**Q**		18/5/24	cash	c		9,200
25/5/24	equipment		19,200		31/5/24	Bal	C/d	**R**	**S**
			38400	59,800				38,400	59,800

Use the above cash book to calculate:

a) P

b) Q

c) R

d) S

14. The document below was issued by Mountain Melodies Limited.

Mountain Melodies Limited,

P.o box private bag

12th July ,2024

Slopes Music Instrument Supliers,

P. o box 1235,

Muranga.

RE:Music instruments.

We would wish to establish the availability and terms of sale for music instruments.

Regards.

Q. g.

C.E.O

(i) Identify the document**.** **(1mk)**

……

(ii) Name three documents that slopes music instruments suppliers would have used in response to the above document.

……

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……

14. The following data was extracted from the books of Rehema traders on 31st Dec 2024.Use it to prepare her trial balance as at that date**.** **(4mks)**

	ksh
CapitaL	800,000
Sales	400,000
Land	600,000
Debtors	300,000
Returns inwards	200,000
Discount allowed	100,000

15. Kanjama operates a tuktuk business in Muranga town .Highlight four factors within business environment that will affect his operations**.** **(4mks)**

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16. Highlight four reasons why government participate in business activities**.** **(4mks)**

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17. Highlight four circumstances under which a firm may be located near the market for its product**.** **(4mks)**

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18. Outline four importance of entrepreneurship in an economy. **(4mks)**

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19. Name the insurance policy that an organization should take against the following risks**.(4mks)**

a) Likelyhood some debtors may fail to pay their debts_____

b) Injury caused by falling fence to a passerby._____

c) Loss of goods or cash as they are being transported._____

d) Losses incurred due to dishonest act of some employees._____

20. Highlight four factors that may lead to increase in national income of a given country**.(4mks)**

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21. Outline four features of a bonded warehouse**.** **(4mks)**

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22. State four circumstances under which a manufacturer may sell his goods directly to customers. **(4mks)**

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23. Define the following essential elements of transport**.** **(4mks)**

(a) Unit of carriage._____

_____

(b) Terminal._____

_____

(c) Way._____

_____

(d) Method of propulsion._____

_____

24. The following information was obtained from the books of Rukwalo traders as at 31st December 2024

	sh
Cash in hand	7,000
Creditors	12,000
Debtors	5,000
Furniture	40,000
Loan	10,000
Cash at bank	16,000
Capital	46,000

Prepare a balance sheet as at 31st Dec 2024. **(4mks)**

25. Outline four disadvantages of operating enclosed office layout**.** **(4mks)**

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CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

BUSINESS STUDIES

565/2

PAPER 2

TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES.

1. This paper consist of six questions with section a and b.

2. Answer only five questions, both a and b in the writing material provided.

3. Indicate clearly the questions answered

For examiner's use only

QUESTION	**1**	**2**	**3**	**4**	**5**	**6**
SCORE						

TOTAL	

Attempt any 5 questions.

1. (a) Maragi wholesalers intend to construct a warehouse Explain five measures that Maragi wholesalers should take to ensure smooth functioning of the warehouse**.** **(10mks)**

(b)Explain five factors that have contributed to a high birth rate in developing countries like Kenya**.** **(10mks)**

2. (a)Explain five characteristics of land as a factor of production**.** **(10mks)**

(b)Explain five ways of making face to face communication effective**.** **(10mks)**

3. (a)The following trial balance was prepared by Jane rose traders on 31st December 2020.

Details	Debit(sh)	Credit(sh
Premises	850,000	
Debtors	650,500	
Creditors		720,000
Motor vehicle	800,000	
Equipment	550,500	
Gross profit		1,960,200
Furniture	350,000	
Stock on 31/12/2020	75,000	
Bank	200,000	
Cash in hand	50,000	
General expenses	117,800	
Discount received		68,100
Commission allowed	12,400	
Insurance	7,500	
Lighting	4,600	
Salaries	80,000	
capital		1,000,000
	3,748,300	3,748,300

Using the information above to prepare :

(i) A profit and loss account for the year ended 31st December 2020**.** **(5mks)**

(ii) A balance sheet as at 31st December 2020**.** **(7mks)**

(b) Explain four reasons why people get involved in business activities**.** **(8mks)**

4. **(a) Outline five** differences between perfect competition and monopoly market structures.

(10mks)

(b) Explain five types of money transfer services that are offered by commercial banks**.(10mks)**

5. (a) With aid of a well labeled diagram ,explain the effect on the equilibrium price and equilibrium quantity when supply of maize increases and demand remains constant**.**

(10mks)

(b) Savannah life wholesalers deals in different types of cereals.they buy cereals from different farmers,store them and prepare them for sale .Explain five methods they can use to prepare the cereals for sale. **(10mks)**

6. (a) On 1st December 2024 kamau had ksh 55,000 in hand and ksh 250,000 in bank.During the month the following transactions took place;

December 2: Cash sales banked at ksh 35,260.

December 3: Bought stationary in cash ksh 4,500.

December 8: Paid Odongo a creditor at ksh 94,000 by cheque in full settlement of his account after deduction of 6% cash discount.

December 12: Received a cheque for ksh 58,800 from wafula after allowing him a cash discount of ksh 1,200.

December 15: Paid salaries ksh 34,000 in cash.

December 25: Withdrew ksh 50,000 from bank for office use.

December 28: Anyango a debtor paid her account of ksh 75,000 by cheque less 10% cash discount.

December 30: Deposited all the cash into the bank except ksh 13,700.

Required .

Prepare a three column cash book and balance it off**.** **(10mks)**

(b)Explain five importance of insurance to the economy of Kenya**.** **(10mks)**

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

CHRISTIAN RELIGIOUS EDUCATION

313/1

PAPER 1

TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

1. *Write your name and index number in the spaces provided above.*
2. *This paper consists of **SIX** questions.*
3. *Answer any **FIVE** questions.*
4. *This paper consists of 2 printed pages.*
5. *Candidates should answer all the questions in English.*

FOR EXAMINER'S USE ONLY.

Marks	**1**	**2**	**3**	**4**	**5**	**6**
Total						

Answer Any Five Questions

1(a) State seven similarities in the biblical stories of creation in Genesis 1 and 2 **(7 marks)**

(b) Identify the responsibilities given to human being by God in biblical stories **(7 marks)**

(c) Why should Christian in Kenya take care of the environment**?** **(6 marks)**

2(a) How did Moses, earlier life prepare him for the leadership of the Israelites. **(7 marks)**

(b) Give seven ways in which God rewarded Abraham's faith. **(7 marks)**

(C) State six reasons why some Christians in Kenya find it difficult to worship God. **(6marks)**

3 (a) State seven functions of the temple in Jewish community **(7 marks)**

(b)Identify six ways in which King Solomon turned away from covenant way of life **(6 marks)**

(c) Give seven factors that have led to increase of Christian denominations in Kenya today **(7 marks)**

4 (a) Outline the teaching of Prophet Amos on the Day the lord **(7 marks)**

(b) State seven ways in which the rich oppressed the poor In Israel during the time of Prophet Amos **(7 marks)**

(c) How is the church promoting social justice in Kenya today ? **(6 marks).**

5 (a) Outline seven problems faced by Nehemiah in Israel when rebuilding the wall of Jerusalem. **(7marks)**

(b) Give six reasons why Nehemiah introduced the policy of separation of Jews from foreigners **(6 marks)**

(c) Identify seven ways in which the government of Kenya supports the church leaders in their work **(7marks).**

For Marking Schemes Contact 0746 222 000 / 0742 999 000

6 (a) Explain the significance of rituals performed after the death of a person in Traditional African Communities. **(7 marks)**

(b) State six roles of medicine men in traditional African communities **(6 marks)**

(c) Identify seven factors that undermine the role of medicine men in Kenya today. **(7 marks)**

For Marking Schemes Contact 0746 222 000 / 0742 999 000

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

CHRISTIAN RELIGIOUS EDUCATION

313/2

PAPER 2

TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

1. *Write your name and index number in the spaces provided above.*
2. *This paper consists of **SIX** questions.*
3. *Answer any **FIVE** questions.*
4. *This paper consists of 2 printed pages.*
5. *Candidates should answer all the questions in English.*

FOR EXAMINER'S USE ONLY.

Marks	1	2	3	4	5	6
Total						

Answer Any Five Questions

1(a) State Micah's prophesies about the messiah in Micah 5:2-5. **(6mks)**

(b) Basing your answers on infancy narrative in Luke 1:40-56 describe what happened when Mary visited Elizabeth **(8mks)**

(c) Outline the nature of God as portrayed in Mary's song the Magnificat **(6mks)**

2(a) Outline Jesus teaching on watchfulness and readiness in Luke 12:35-48 **(6mks)**

(b) Describe the parable of the Good Samaritan in Luke 10:29-39 **(8mks)**

(c) . Give six reasons why some Christians find it difficult to help the needy **(6mks)**

3 (a) Narrate the parable of the widow and the unjust judge (Luke 18:1-8) **(7mks)**

(b) Give six reasons why Judas Iscariot betrayed Jesus **(6 mks)**

(c) State the importance of the resurrection of Jesus to Christians today **(7mks)**

4 (a) Explain how the unity of believers is expressed in the image of the body of Christ **(8mks)**

(b) Identify seven fruits of the Holy Spirit as taught by ST. Paul in Galatians 5:22-23 **(7mks)**

(c) State how kindness as a fruit of the Holy Spirit is abused in Kenya today **(5mks)**

5 (a) List down five Sources of Christian ethics. **(5mks)**

(b) Explain Christian teachings on human sexuality. **(8mks)**

(c) Give seven reasons why the church in Kenya condemns homosexuality **(7mks)**

6(a) Identify seven reasons why the youths engage in pre-marital sex. **(7mks)**

(b) Explain similarities between the Christian and the traditional African view on marriage.**(7mks)**

c) Give six reasons as why some people are choosing to remain unmarried in Kenya today. **(6mks)**

For Marking Schemes Contact 0746 222 000 / 0742 999 000

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

HISTORY AND GOVERNMENT

311/1

PAPER 1

TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

- *This paper consists of three sections A,B,C*
- *Answer all questions in section A, choose three questions in section B and two questions in section C*
- *Answers to all questions must be written in the answer booklet provided*
- *Candidates should answer questions in English.*

FOR EXAMINER'S USE ONLY

SECTION A	SECTION B				SECTION C			
1-17	18	19	20	21	22	23	24	

SECTION A-25 MARKS

Answer all questions in this section in the spaces provided

1. State two disadvantages of relying in oral traditions as a source of history **2×1=2 marks**

2. Name two factors that influenced early man to begin domestication of animals**2×1=2 marks**

3. Name one Bantu community in Kenya whose ancestors settled at Mt Elgon before migrating to their present homeland **1×1=1 mark**

4. Name the title of the war leader among the Luo during the pre-colonial period **1×1=1 mark**

5. Give one reason why the Mijikenda lived in Kayas **1×1= 1mark**

6. Identify two negative consequences of urbanization in Kenya during the colonial period **2×1=2 marks**

7. Name the type of constitution used in Kenya **1×1=1 mark**

8. Mention two developmental rights of children **2×1=2 marks**

9. Apart from the Nandi name one other community that resisted the establishment of colonial rule in Kenya **1×1=mark**

10. Give two reasons why the British Colonial government encouraged settlers to come to Kenya **2×1=2marks**

11. State two problems faced by independent schools established by Africans during the colonial period **2×1=2 marks**

12. Name two books which were authored by the first president of Kenya mzee Jomo Kenyatta **2×1 =marks**

13. State the main function of the Kenya Defence Forces **1×1=1 mark**

14. Identify one philosophy adopted at independence to promote Social Justice in Kenya **1 mark**

15. Identify one type of land ownership in Kenya **1×1= 1 mark**

16. Identify the senior most court in Kenya's Judicial System **1×1= 1 mark**

17. State two house committees of parliament which deals with government financial matters **2×1= 2 marks**

SECTION B

(Answer any 3 questions)

18.

a. Give five reasons which influenced the migration of plain-nilotes to Kenya during the pre-colonial period **5×1= 5 marks**

b. Explain five results for the migration and settlement of the Maasai in Kenya during pre-colonial period **6×2= 12 marks**

19.

a. Identify three factors that made Seyyid Said to transfer his capital from Muscat to Zanzibar **3×1=3 marks**

b. Explain six results of the coming of Christian Missionaries to Kenya in the 19th century **6×12=12 marks**

20.

a. Outline five factors that enabled the Nandi to resist the British occupation for a long period **5×1=5 marks**

b. Explain five results of the collaboration between the British and the Wanga during the colonial period **5×2= 10 marks**

21.

a. State five problems that faced the early political associations in Kenya upto 1939 **5×1= 5 marks**

b. Explain five factors responsible for the Mau Mau uprising **5×2 = 10 mrks**

SECTION C

(Answer any two questions)

22.

a. Identify five categories of special groups of people whose rights are enshrined in the constitution of kenya **5×1= 5 marks**

b. Explain five rights of an accused person during trial in a court of law **5×2= 10 marks**

23.

a. Identify three situations that may lead to a by-election in Kenya **3×1= 3 marks**

b. Describe the process that a bill passes through before it becomes law **12 marks**

24.

a. Give three qualifications that a person must fulfill to be registered as a voter in Kenya **3×1= 3 marks**

b. Explain six reasons why parliament is considered supreme in Kenya **12 marks**

For Marking Schemes Contact 0746 222 000 / 0742 999 000

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

HISTORY AND GOVERNMENT

311/2

PAPER 2

TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

- *This paper consists of three sections A,B,C*
- *Answer all questions in section A, choose three questions in section B and two questions in section C*
- *Answers to all questions must be written in the answer booklet provided*
- *Candidates should answer questions in English.*

FOR EXAMINER'S USE ONLY

SECTION A	SECTION B				SECTION C			
1-17	18	19	20	21	22	23	24	

SECTION A-25 MARKS

Answer all questions in this section in the spaces provided

1. Give **two** ways archaeologists identify historical sites. **(2mks)**

2. Give **two** economic activities of early man during stone age **period.** **(2mks)**

3.Give **two** inventions that promoted Agrarian Revolution in Britain**.** **(2mks)**

4. What is the **main** factor that led to the growth of Trans-Atlantic trade? **(1mk)**

5. Give **two** reasons why camels were referred to as the ship of the desert. **(2mks)**

6. Give **one** disadvantage of using coal as a source of industrial energy**.** **(1mk)**

7. State one advantage of horn blowing in the pre-colonial period. **(1mk)**

8. State **one** problem faced by cairo as an early urban centr**e** **(1mk)**

9. Identify one symbol of unity among the Shona kingdom**.** **(1mk)**

10. Name **two colonies** of British in West Africa. **(2mks)**

11. Give **one** reason why the Africans were against the appointment of Akidas by German colonial administrators**.** **(1mk)**

12. Identify **two** chartered companies which were used to administer European colonial possessions in Africa. **(2mk)**

13. Name **one** political party that fought for independence in Ghana. **(1mk)**

14. Identify **one** weapon that was used during cold war**.** **(1mk)**

15. Give the **main** reason why The League of Nations was formed in 1919. **(1mk)**

16. State **two** ways the treaty of Versailles affected Germany. **(2mks)**

17. Give **two** advantages of being a member of common wealth organizatio**n.** **(2mks)**

SECTION B (45MARKS)

Answer any three questions in this section

18. a) State three **negative** effects of land enclosure system in Britain duringAgrarian Revolution. **(3mks)**

b) Explain Six effects of food shortage in Africa**.** **(12mks)**

19. a) Identify the three types of trade. **(3mks)**

b) Describe the organization of the Trans – Saharan trade. **(12mks)**

20. a) State three factors that have contributed to the growth of Johannesburg as a modern urban **centre** **(3mks**)

b). Describe the social organization of Buganda during the pre-colonial period **(12mks)**

21.a) Give three reasons why it took long for Mozambique to achieve independence from Portugal **(3 mks)**

b). Explain six factors that favored the success of FRELIMO nationalists during their struggle for independence in Mozambique **(12 mks)**

SECTION C(45MARKS)

Answer Any Two Questionsin This Section

22 a). State three similarities between the French and the British structure of administration in Africa during the colonial period **(3 mks)**

b). Explain six challenges which were faced by the nationalist in south Africa during the apartheid rule **(12 mks)**

23 a). state three causes of the first world war 1914-1918 **(3 mks)**

b). Explain six factors which contributed to the rise of Japan as an industrial power after the second world war **(12 mks)**

24(a) What are the functions of the security council of the united Nations **(3 mks)**

b). Explain six problems which the United Nations is facing in its efforts to maintain world peace **(12mks)**

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

GEOGRAPHY

312/1

PAPER 1

TIME: 2¾ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES:

- *This paper consists of **two** sections: **A** and **B***
- *Answer **all** the questions in section **A***
- *Answer question **6** and **any two** questions from **section B***
- *All answers **must** be written in the answer booklet provided*

For official use only

Question	Max score	Student score
Section A	25	
6	25	
	25	
	25	
Total	100	

SECTION A: 25 MARKS

Answer all the questions from this section.

1. (a) Differentiate between asteroids and meteors. **(2 marks)**

(b) State **three** characteristics of the sun **(3 marks)**

2. (a) What is climax vegetation? **(2 marks)**

(b) State **two** ways through which climate influences the distribution of vegetation **(2 marks)**

3. (a) Give **two** features of deposition that result from action of water in arid areas**.(2 marks)**

(b) State **three** positive effects of desert features. **(3 marks)**

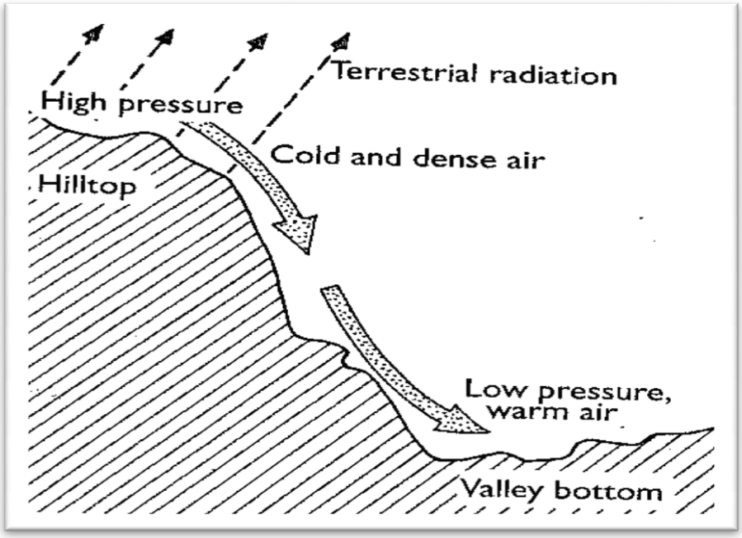
4. (a) Define the following terms as used in rivers

(i) Confluence **(2 mark)**

(ii) Drainage basin **(2 marks)**

b) State **two** factors that influence the rate of river erosion. **(2 marks)**

5. The diagram below shows an example of a local wind



a) Identify the local wind **(1 mark)**

b) Describe how the wind is formed. **(4marks)**

SECTION B: 75MARKS

Answer question 6 and any other two questions from this section.

6. Study the map of Tambach sheet 90/3 (1:50000) provided and answer the questions that follow.

a) i) In which District is the South Western corner of the map? **(1 mark)**

ii) Measure the distance of the road C 52 from Northing 70 to Northing 75. **(2 marks)**

b) i) Citing evidence from the map state **three** social services offered in the area covered by the map. **(3 marks)**

ii) Citing evidence from map, state **three** economic activities carried out in the area covered by the map. **(3 marks)**

c) i) Describe the drainage of the area covered by the map. **(4 marks)**

ii) Describe the distribution of vegetation in the area covered by the map**.** **(4 marks)**

d) i) Using a scale of **1cm represents 20 m**, draw a cross section along northing **57** starting from easting **85** to **91**. **(4 marks)**

ii) On your cross section mark and name; **(3 marks)**

- **Road C 51 to Kabarnet**
- **Gentle slope**
- **River Kerio**

iii) Are the starting and end points intervisible? **(1 mark)**

7. (a) (i) Differentiate between rocks and minerals **(2 marks)**

(ii) Give **three** ways in which rocks can be classified. **(3 marks)**

b) (i) Name **one** example of each of the following types of sedimentary rocks. **(3 marks)**

- Chlorides
- Arenaceous
- Carbonaceous

ii) Describe how sedimentary rocks are formed through physical processes. **(4 marks)**

iii) State **three** changes that occur in rocks during metamorphism. **(3 marks)**

e) Give **two** reasons why sedimentary rocks are dominant along the Kenyan Coasts **(2 marks)**

f) Students from Elites School carried a field study on rocks in their county.

i) State **three** reasons why it would be necessary for them to conduct a reconnaissance to the study area. **(3 marks)**

ii) Give **two** methods they used to record data **(2 marks)**

iii) State **three** importance of rocks they identified. **(3 marks**)

8. a) i) What is an aquifer? **(2 marks)**

(ii) Apart from wells state **three** ways in which underground water may reach the surface of the Earth. **(3 marks)**

(iii) Explain **four** conditions necessary for the formation of **artesian well**. **(8 marks)**

(b) With the aid of well labeled diagrams describe how the following features are formed.

(i) Grikes and clints. **(6 marks)**

(ii) Stalagmites. **(6 marks)**

9. a) i) What is aridity? **(2 marks)**

ii) What is desertification? **(2 marks)**

b) State **five** causes of aridity and desertification. **(5 marks)**

c) i) Explain **four** effects of aridity and desertification. **8 marks)**

ii) Suggest **three** possible solutions to aridity and desertification. **(3 marks)**

d) Students from Elimu Bora secondary school went for a field study in an arid area.

i) State **two** reasons why they needed to seek permission **(2 marks)**

ii) State **three** problems they were likely to encounter **(3marks)**

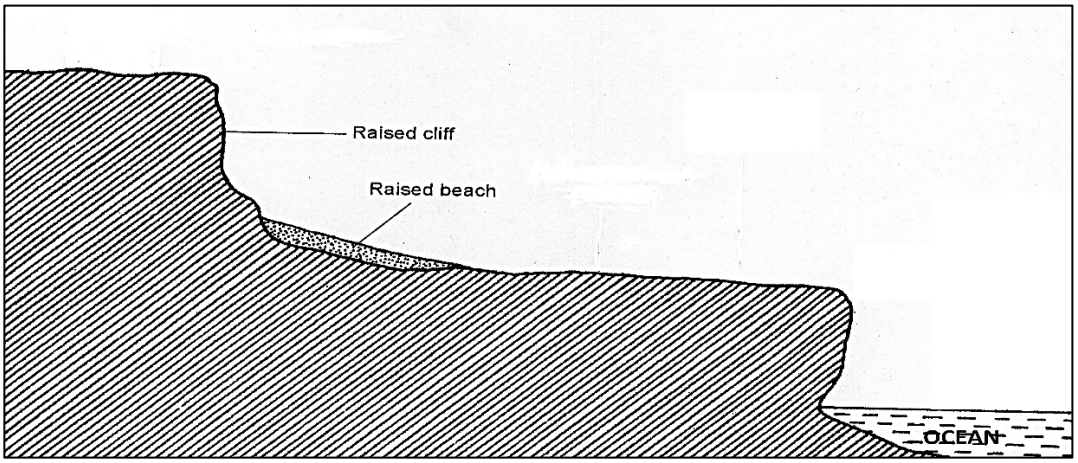
10. (a)(i) Define the term ocean. **(2marks)**

(ii) State **three** conditions for the development of a beach. **(3marks)**

(iii) Describe how wave erosion takes place through corrasion. **(3 marks**)

(b) With the aid of well labeled diagrams describe how a stump is formed. **(8 marks)**

(c) Study the diagram below showing a type of coast and answer the questions that follow.



(i) Identify the type of coast represented by the diagram. **(1mark)**

(ii) State **two** factors influencing the development of the above type of coast shown by the diagram. **(2 marks)**

d) Explain **three** significance of coastal features to human activities. **(6marks)**

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

GEOGRAPHY

312/2

PAPER 2

TIME: 2¾ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

(i) *This paper consists of two sections A and B answer all questions in section A*

(ii) *In section B answer question 6 and any other two questions.*

(iii) *All questions must be written in the answer booklet provided.*

For examiner's use only

Section A	**1 – 5**	
Section B	**6**	
	7	
	8	
	9	
	10	
TOTAL		

SECTION A

Answer all questions in section A

1.a).Give the relationship between Geography and Agriculture **(2Marks)**

b.).State **three** significance of learning Geography. **(3Marks)**

2(a). Distinguish between arable and livestock farming. **(2Marks)**

b). Give **three** economic factors that influence agriculture. **(3Marks)**

3.a) Identify **two** methods of underground mining **(2Marks)**

b). **State three** causes of land dereliction **(3Marks)**

4. a). Name **two** exotic species of trees planted in Kenya **(3Marks)**

b). State **three** reasons why it is necessary to carry out afforestation programmes in Kenya **(3Marks)**

5(a). Name **two** provinces in Canada where wheat is grown in large scale **(2Marks)**

(b). State **three** physical conditions that favous wheat cultivation in Kenya **(3Marks)**

SECTION B

Answer question 6 and any other TWO questions from this section

6. Use the photograph below to answer question that follows



For Marking Schemes Contact 0746 222 000 / 0742 999 000

Name each of the following

a(i). Crop under cultivation **(1Mark)**

(ii). Type of farming **(1Mark)**

(iii). Other **three** crops grown together in this type of farming **(3Marks)**

b). i) What type of photograph is shown. **(1Mark)**

ii). Draw a rectangle measuring **15cm by 10 cm** to represent the area of the photograph. On it sketch and label four main features shown on the photograph **(5Marks)**

c. Explain **four** physical factors that influenced establishment of Perkerra irrigation scheme **(8Marks)**

d). Describe the stages in the reclamation of land from the sea in the Netherland **(6Marks)**

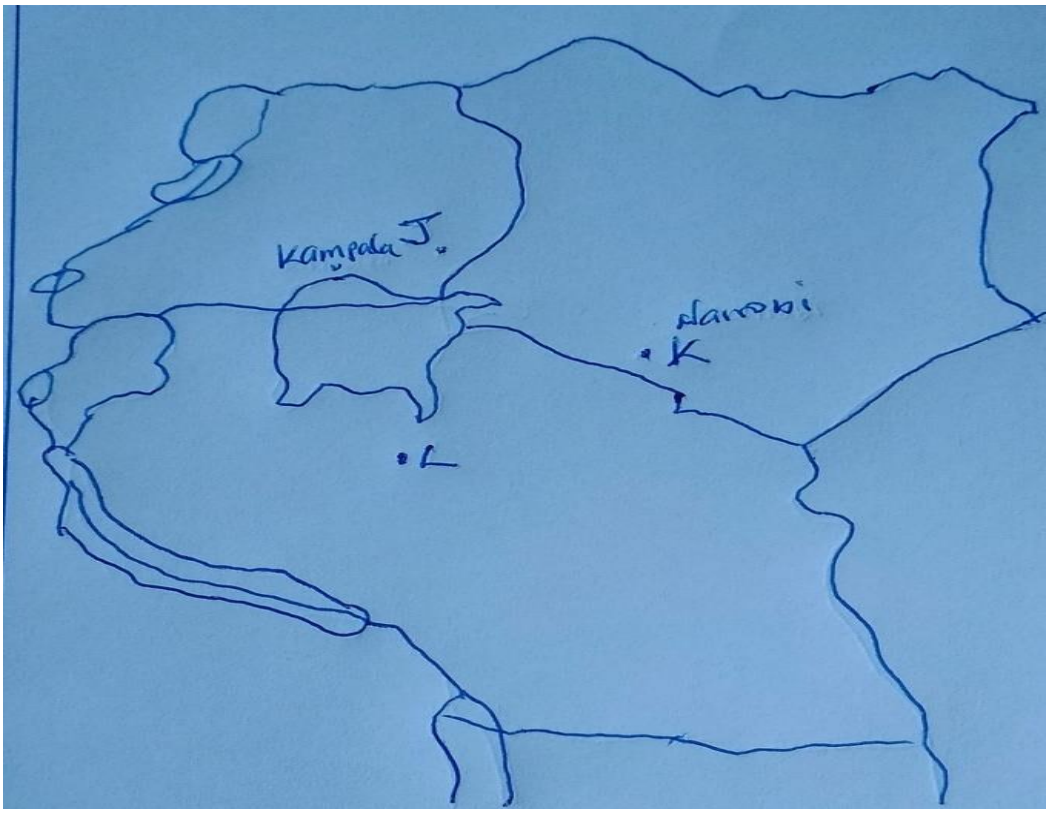
7a(i). Define the term mining **(2Marks)**

(ii). State **four** factors that influences the occurrence of minerals **(4Marks)**

(b). Describe the open cast method of mining **(5Marks)**

c). The map below shows location of minerals in East Africa, use it to answer questions (c)

MAP OF EAST AFRICA



(i). Name the minerals found in the areas marked J, K, L, and M **(3Marks)**

ii). Describe the processing of Trona in lake Magadi **(5Marks)**

(d). Explain **three** ways in which mining promote industrialization in Kenya **(6Marks)**

8 (a). Name **three** types of dairy cattle kept in Kenya. **(3Marks)**

(b)(i).State **four** conditions that favour dairy farming in Kenya highlands. **(4Marks)**

(ii) Explain **three** problems facing dairy farmers in Kenya. **(6Marks**

(c)(i).State **three** measures the government of Kenya is taking to improve dairy farming. **(3Marks)**

(ii)) Compare dairy farming in Kenya and Denmark. **(4Marks)**

(d) (i) You intend to carry out a field study in a dairy farm.

(i) Give three methods you would use to collect information. **(3Marks)**

(ii) State **two** follow up activities you would carry out after the field study**.** **(2Marks)**

9. (a) A part from the palm oil, name **three** other products of oil palm tree (**2Marks)**

b). State **three** characteristics of shifting cultivation **(3Marks)**

c). Identify **five** environmental conditions that affect coffee growing in Kenya **(5Marks)**

(d)i).Describe the stages involved in coffee production from harvesting to marketing.**(7 Mrks)**

ii.)Explain **four** measures taken by the government of Kenya to assist maize farmers **(8Mrks)**

10. a).i). Differentiate between indigenous and exotic forests. **(2Marks)**

ii). State **four** factors that lead to depletion of forests in Kenya. **(4Marks)**

b). Explain **three** factors that favour the growth of natural forests on the slopes of Mt. Kenya. **(6Marks)**

c). Compare forestry in Kenya and Canada under the following headings;

i). Mode of exploitation **(2Marks)**

ii). Transport **(2Marks)**

d). i)State **three** factors favouring the development of softwood forests in Canada. **(3Mrks)**

ii). Explain **three** measures used to conserve forests in Kenya. **(6Marks)**

……E N D……..

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

ENGLISH

101/1

PAPER 1

TIME: 2 HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

Instructions to candidates

1. *Write your name and admission number in the space provided above.*
2. *Sign and write the date of examination in the space provided above.*
3. *Answer all the questions in this question paper.*
4. *All your answers must be written in the spaces provided in this question paper.*
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

		MAXIMUM SCORE	SCORE
QUESTION1 1	FUNCTIONAL WRITING	20	
QUESTION 2	CLOZE TEST	10	
QUESTION 3	ORAL SKILLS	30	
	TOTAL SCORE		

QUESTION ONE: FUNCTIONAL WRITING (20 MARKS)

You are the chairperson of your school's Drama club. The club patron has asked you to organize and invite a famous travelling theatre group to stage a live performance of Paul B. Vitta's novel '' Fathers of Nations''.

a. Write the notice announcing the event and inviting neighboring schools and the general public to the event. Remember to include details of the venue, charges among other necessary information. **(08 marks)**

b. Write a synopsis of the novel to accompany the notice**.** **(12 marks)**

For Marking Schemes Contact 0746 222 000 / 0742 999 000

QUESTION TWO: CLOZE TEST (10 MARKS)

Read the passage below and fill in each blank space with the appropriate word

The positive way to react to disappointment is to use it as a (1) ……. for growth. This is not easy, but it is the only way to deal with an (2) ……aspect of life. Helen, the woman who was not promoted, could have (3) ……. her disappointment by looking at other (4) ……. For instance, if her boss did not recognize her talent and hard work (5) ……. she could transfer to another department or ask the boss how she could improve her performance in order to be a candidate (6) ……. the next promotion. Jamal, the young man who did not (7) ……..…. into the college of his dreams, should look into other institutions of higher learning. Going to another college may encourage him to be his (8) ……. man, step out of his brother's shadow, and realize that being turned (9) ……..…. by one college is not a final judgement on his abilities or potential. Disappointments in life can make us bitter or better, (10) ……..……we become victims or victors is our choice.

QUESTION THREE: ORAL SKILLS (30 MARKS)

Read the poem below and then answer questions that follow.

Giraffes
Beyond the brassy sun stare where each shade
Crouches beneath its substance at mid- noon,
The tall giraffes are gathered in a glade
Grazing the green fruit of the midday moon.
Patched with sienna shadows of the jungle,
In pencil- slender attitudes they stand;
Grostesque in camouflage, each curve and angle
Is merged into the backcloth of the land.
These circus creatures of a poet's dreaming
Whose destiny on silent strings is spun,
Are patterned in designs of nature's scheming
To move through dappled woods and dun.
Strange genesis in which the substance scheming
The shadow, is the street of the sun!

By Phoebe Hesketh

a. i. Describe the rhyme scheme of the poem and explain its function **(3marks)**

……

……

……

……

……

ii. Identify two instances of alliteration in the poem **(2 marks)**

……

……

……

iii. How would you say the last line of the poem? **(2 marks)**

……

……

……

b. Write down a word with a similar pronunciation for each of the ones given **(6 marks)**

i. Blew

……

ii. Serial

……

iii. Cite

……

iv. Know

……

v. Some.

……

vi. Kernel ……..

c. Underline the stressed syllables in the following words (3 marks)

i. Dis.like

ii. A.gree. ment

iii. Pro.ject (noun)

d. Pick the odd word according to the pronunciation of the underlined sound (3 marks)

i. **E**xamination English encourage engine

……..

ii. **H**onour **h**eir **h**onest **h**edge

…….

iii. De**o**dorant je**o**pardy le**o**pard

….

e. Indicate the intonation to use in the following sentences(3marks)

i. What an interesting movie!

……

……

ii. You know the answer?

……

……

iii. How much is a loaf of bread?

……

……

f. You accidentally broke the windscreen of a stranger's car at the market near your home. Complete the following conversation between you and the stranger. Use courteous language.

You**……**

……

…… **(2marks)**

Stranger: I can't believe it. This is a brand new car.

You……

……

…… **(2marks)**

Stranger: Your parents will have to meet the cost of replacing the windscreen.

You……

……

…… **(2 marks)**

Stranger: I hope you will earn the lesson to be more careful in future.

You……

……

…… **(2marks)**

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

ENGLISH

101/2

PAPER 2

TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

Instructions to candidates

1. *Write your name and admission number in the space provided above.*
2. *Sign and write the date of examination in the space provided above.*
3. *Answer all the questions in this question paper.*
4. *All your answers must be written in the spaces provided in this question paper.*
5. *Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.*
6. **ALL ANSWERS MUST BE IN ENGLISH**

FOR EXAMINER'S USE ONLY

QUESTION	MAXIMUM SCORE	CANDIDATE SCORE
1	20	
2	25	
3	20	
4	15	
TOTAL	80	

1.COMPREHENSION

Read the passage below and answer the questions that follow (20 MKS)

Have you ever come across classmates who can't resist the urge to steal? The urge could be so strong that they steal things that they don't even need .They might steal a book that they already have or steal items even though they have an option of borrowing or even buying.

A mental disorder called Kleptomania was uncovered in1886 after experts discovered that a small group of thieves were stealing things that they could be obtained easily without engaging in the criminal act .It was also noted that they stealing was impulsive (not planned for) and somehow compulsive.

One difference between Kleptomania and other types of stealing is that Kleptomaniacs struggle with other underlying disorders such as anxiety ,depression or substance abuse and they use theft as a way " treat " or soothe themselves. A lot of people who suffer from the disorder report experiencing some sort of excitement after stealing but they also feel guilty and ashamed afterward. They are likely to steal more often when they are feeling stressed than when they are emotionally fine. Another difference is that, unlike other types of thieves, Kleptomaniacs tend to discard, give away or just keep the stolen items without ever using them.

In addition to shame and guilt, Kleptomania causes those suffering from it to isolate themselves as they lost the trust of friends and family .They end up hurting those they steal from, thus breaking relationships with people who matter. In extreme cases, they could be arrested or taken to jail.

It's been more than two centuries since the condition was discovered, which means psychiatrists and other experts have had a lot of time to innovate treatment for the disorder. Though there is no cure, therapy and some types of medication can help treat the underlying conditions that cause one to steal. Going through treatment helps one to overcome the urge to take things that do not belong to them and live a healthier lifestyle.

Unfortunately, a lot of experts say that Kleptomaniacs do not seek treatment and live with the condition secretly due to the shame attached to it. But if you are struggling with this condition, coming clean and seeking help you prevent more problems in the future. You should consider talking to a parent about it and requesting to see a specialist.

You could also try to manage the condition by identifying the things that push you to steal and adopt healthy ways to deal with stress and anxiety, such as joining sports club, exercising often and exploring your talents.

QUESTIONS

a) According to the passage, what was the discovery of experts in 1816? **(3marks)**

……

……

……

……

b) Make notes on the difference between Kleptomaniacs and other types of thieves**.(4marks)**

……

……

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……

c) What are the characteristics exhibited by those suffering from Kleptomania**?** **(3marks)**

……

……

……

……

d) Why do Kleptomaniacs fail to seek treatment? **(1mark)**

……

……

e) Comment on the use of one aspect of style in paragraph one**.** **(3marks)**

……

……

……

……

f) Give two ways in which Kleptomaniacs can manage their condition**.** **(2marks)**

……

……

……

g) It's been more than two centuries since the condition was discovered. (Rewrite adding a question tag) **(1mark)**

……

……

h) Give the meaning of the following words as used in the passage **(3marks)**

a)Criminal…**……**

……

b)Discard**……**

……

c)Innovate…**……**

……

2.SAMARITAN

Read the excerpt and answer the questions that follow (25 mks)

Mossi:(Pacing about on the stage, turns to face the Principal and Nicole.) I am afraid we may not continue with this thing. Oh, I have already forgotten what you ate calling

Pirro:(Looking rather disappointed) but why, Your Worship? This is a blessing for out country.

Mossi: Don't you see it? It might turn out to be platform for misinformation, lies and witch hunt You see, last year someone spread a rumour that had died, Me just sent a text message on some social media and it spread like wild bush fire and do you I know almost died? During that time I accidently swallowed a whole toothpick!

Ramdaye: Oh, yes, I see the risk. They might spread another rumour on this platform! And you might swallow another toothpick! Yes, you will!

Basdeo: (To Mayor) The way I see it, that App will be a people's platform! And it will have **far-reaching implications** whether you launch it or not.

Mossi: (Casting a stern look at Mr. Basdeo) I need time to think about it. I will launch it at my own convenient time. (Turning to Nicole and the Principal) There are no two ways for now. **Halt** any activities regarding that thing until my office gives further guidance. (Ramdaye nods in approval. Other guests exchange knowing glances in silence)

Narine: Your Worship, the President of the Republic is scheduled to officially launch the App at the national level early next year when schools reopen. We presently have some ongoing activities in preparation for it. I doubt whether this process can be stopped.

Harvester:(Looking at the Principal and Nicole alternately) Is that so?

Mossi: (Looking at the Principal) The President?

Narine: Yes, Sir.

Ramdaye: Why have you **kept us in the dark** about it?

Narine: The Mayor's office has been duly informed, Sir.

Mossi; (Looking at Narine) Oh yes, I remember! But you never explained that kind of thing it was! No, you still have to stop it!

Pirro: I think that is beyond their powers, Your Worship.

Mossi; (Looking at Mr. Pirro) This thing we are talking about is a school project under their control! (Turning to face the principal) It is, therefore, within your powers to find a way around it. You

are at the centre of it! Figure out a way, like writing to the Ministry of Education indicating that there are some fundamental errors in it that you need to attend get what I mean?

Nicole: I am afraid, Your Worship, the assessment of the innovations was done by senior officers at the Ministry of Education. Experienced software engineers Were involved. It passed all the tests, and no errors were found

QUESTIONS

a) Place this excerpt in its immediate context. **(4 marks)**

……

……

……

……

……

……

b) Why is Mayor Mossi adamant to launch the App? **(2 marks)**

……

……

……

c) From elsewhere in the play, what is the name of the App and how is it a people's platform**?**

(2mks)

……

……

d) Give reasons App is error proof. (**4 mks)**

……

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……

e) Think about it: (Rewrite using the question tag**.)** **(1mk)**

……

f) Identify and explain any two stylistic devices used in the excerpt. **(4 mks)**

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……

g) From your knowledge of the text, identify four allegations against municipal leaders as uploaded on the APP. **(4mks)**

……

……

……

……

……

h) Explain the meaning of the following expressions as used in the excerpt. **(4 marks)**

i.Far-reaching

Implications ……

ii.Halt ……

iii.Kept us in the dark ……

iv.Figure out a way ……

3.ORAL NARRATIVE (20 MKS) <u>THE FOX AND THE CROW</u>

<u>Read the narrative and answer the questions that follow</u>

A fox once saw a crow fly off with a piece of cheese in its beak and settle on a branch of a tree. "That's for me, as I am a fox," said Mr. Fox, and he walked up to the foot of the tree.

"Good day, Ms Crow," he cried. "How well you are looking today: how glossy your feathers; how bright your eye. I feel sure your voice must surpass that of other birds, just as your figure does. Let me hear but one song from you that I may greet you as the Queen of Birds."

The crow lifted up her head began to caw her best, but the moment she opened her mouth the piece of cheese fell to the ground, only to be snapped up by Mr. Fox. "That will do," said he. "That was all I wanted. In exchange for your cheese I will give you a piece of advice for the future- "Do not trust flatterers!

" (Adapted from Prentice hall literature,Ed. Roger Babusci et al. Englewood Cliffs, New Jersey, 1991).

1. How would you classify this narrative? Explain your answer**.** **(3 marks)**

……

……

……

……

2. Identify and illustrate any two character traits of the crow**.** **(4 marks)**

……

……

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……

……

3. What does the fox mean by "That's for me, as I am a fox?" **(2 marks)**

……

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……

4. Identify and illustrate any three stylistic features in this story**.** **(6 marks)**

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6. Explain what this story reveals about human relationships. **(4 marks)**

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6. Explain the meaning of the word 'caw' as used in the story**.** **(1 mark)**

……

……

……

4. GRAMMAR (15MKS)

a)Rewrite the following sentences as instructed: (3 mks)

i) Jane is both humble and obedient. (Begin: Not only……..)

……

i**i)** Goods once sold will not be returned under any circumstances. (Begin : under……..)

……

……

iii) He will receive a warm welcome if he comes back. (Begin : Should**…….)**

……

b) Complete the sentences using the correct form of the words in brackets (3 mks)

i) She filed a …….(sue) against her employer.

ii)The tragedy was beyond everyone's …….(comprehend)

iii) The driver declined to accept ……(liable)

c) Complete the sentences using the correct phrasal verb formed from the word given in brackets (4 mks)

i) John …….. of the race due to injury. (pull)

ii) The fire brigade …….the fire after many hours. (put)

iii) It is clear from her looks that Claire ……. her mother.(take)

iv) The youth should ……to adults for guidance. (look)

d)Fill the blanks with suitable preposition (3 mks)

i) My uncle deals …… second hand clothes.

ii) The brave girl was compared …….. a lioness.

iii)Wekesa mistook Wambui …….. her sister.

e) Choose the correct alternative (2 mks)

i) They have remained hopeful in spite of the many …….(crises,crisis)

ii) Since last year, ……. of theft has reduced. (incidence, incidents)

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

ENGLISH

101/3

PAPER 3

TIME: 2½ HOURS

(Creative Composition and Essay Based on Set Text)

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

Instructions:

1. *Write your name and admission number.*
2. *Answer two questions only.*
3. *In question 1 answer either (a) or (b).*
4. *Question 2 is compulsory.*
5. *Each of your essays must not exceed 450words.*
6. *All answers must be written in English.*

FOR EXAMINER'S USE ONLY

Question	Maximum score	Candidate's score
1	20	
2	20	
Total		

Imaginative composition and Essays based on set books.

1. Either

(a) Write a story ending with the following statement.

…….I then realized it was a dream.

or

(b) Write a composition on measures of curbing corruption in our community.

2. Essay based on the compulsory set book:-**Fathers of Nations by Paul.B.Vitta.**

Choices have consequences. Using illustrations from the novel Fathers of Nation, justify the statement. **(20mks)**

3.The Optional Set Texts

a) The Short Story

Our society is characterized by people who mask their true identity in a bid to achieve their selfish intrests. With reference to the story " Truely Married Woman by Abioseh Nicol" Write an essay to support the above illustration. **(20 marks)**

Or

b) The play

Adipo Sidang , Parliament of Owls

Political assassinations are not a solution to political differences. Justify this claim with relevant illustrations from the play "Parliament of Owls**".** **(20 marks)**

Or

A person's self-esteem can be influenced by the events that happen in one's life. Referring closely to Ono's life, write an essay to support this statement. **(20 marks)**

For Marking Schemes Contact 0746 222 000 / 0742 999 000

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

102/1

KISWAHILI

KARATASI YA 1 (INSHA)

MUDA: SAA 1¾

JINA……

SHULE…… SAHIHI……

NAMBARI YA USAJILI…… MKONDO……

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

MAAGIZO:

- *Andika insha mbili. Insha ya kwanza ni ya **lazima**.*
- *Kisha chagua insha **moja** nyingine kutoka hizo **tatu** zilizobaki.*
- *Kila insha isipungue Maneno **400**.*
- *Kila insha ina alama **20**.*
- *Karatasi hii ina kurasa **2** zilizopigwa chapa.*

Kwa matumizi ya mtahini pekee

Swali	Upeo	Alama
1	20	
	20	
Jumla	40	

1. Lazima

Kumeripotiwa kuongezeka kwa visa vya utovu wa nidhamu katika Shule ya Upili ya Tujitahidi. Waziri wa elimu amemtembelea mwalimu mkuu ili kumhoji kuhusu sababu zinazochochea kukithiri kwa utovu huo wa nidhamu. Andika mahojiano yao.

2. (a) Kushiriki katika michezo kuna faida na hasara. Jadili.

(b) Tunga kisa kitakachodhihirisha maana ya methali ifuatayo:

"Jifya moja haliinjiki chungu."

(c) Andika kisa kitakachomalizika kwa maneno haya:

"... Ninakushukuru sana kwa fadhila zako. Umenitoa kutoka lindi la umasikini. Nilikuwa nimekata tama katika maisha lakini sasa nyota ya jaha imeanza kuniangazia. Mola akubariki."

For Marking Schemes Contact 0746 222 000 / 0742 999 000

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

102/2

KISWAHILI

KARATASI YA 2 (LUGHA)

MUDA: SAA 2½

JINA……

SHULE…… SAHIHI……

NAMBARI YA USAJILI…… MKONDO……

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

Maagizo

a) *Andika jina lako na nambari yako ya mtihani katika nafasi ulizoachiwa hapo juu.*

b) *Tia sahihi yako kisha uandike tarehe ya mtihani katika nafasi ulizoachiwa hapo juu.*

c) *Jibu maswali* ***yote****.*

d) *Majibu yote yaandikwe katika nafasi ulizoachiwa katika kijitabu hiki cha maswali.*

e) *Usitoe ukurasa wowote kutoka kwenye kijitabu hiki.*

Kwa matumizi ya mtahini pekee

Swali	Upeo	Alama
1	15	
2	15	
3	40	
4	10	
Jumla	80	

For Marking Schemes Contact 0746 222 000 / 0742 999 000

1. UFAHAMU **alama 15**

Nimekaa na kutafakari kwa kipindi kirefu, juu ya mabilioni ya pesa ambayo yametengwa na serikali ili kudhamini miradi ya maendeleo ya wanawake. Kina mama au wanawake wengi wanakiri na kusema kwamba fedha hizo zimewezesha kuwaondoa katika lindi la unyanyasaji kutoka kwa waume zao, kwani kila mmoja anamheshimu mwenzake kwa sababu ya kipato alicho nacho. Wengi wameweza kuanza biashara ndogondogo ambazo huwaletea angaa kipato kidogo. Ukweli ni kwamba fedha hizi zimesaidia kuwatoa wanawake wengi katika unyanyasaji, kwani wengi wanaweza kuanzisha kazi za ujasiramali ni ahata kuendesha shuguli mbalimbali za maendeleo.

Kutokana na mafanikio haya, wabunge waliopitisha hoja bungeni ya kuanzisha mpango huu wa kuwakwanua wanawake kimaendeleo wanafaa kupongezwa. Mafanikio haya yamewafanya akina mama kujikimu kimaisha na hivyo kutowategemea wanaume katika kila jambo.

Ukitaka kujua ukweli kuhusu hili, nenda kwenye masoko utaona akina mama jinsi wanavyohangaika na biashara zao. Kwa hivyo, ujasiriamali huendelezwa na akina mama zaidi na hivyo wanapaswa kuwezeshwa kwa kila hali na mali.

Akina mama pia wanafaa kupongezwa kwani wameamua kujitosa kukopa fedha kutoka kwenye taasisi mbalimbali za fedha. Fedha hizo kiwango kikubwa zimewainua kutoka katika ufukara uliokithiri hadi katika misha ya heshima. Wale ambao hawajajaribu kuchukua mikopo, ni muhimu wafanye hivyo ili wajikimu kimaisha.

Maisha ya sasa ni magumu, hivyo yanahitaji kusaidiana kwa kila hali na mali.

Wanaume kwa wanawake ni vyema wachange bia ili wazumbue riziki. Ushirikiano utarahisisha maisha.

Hata hivyo, sio tu akina mama hao wameondokewa na unyanyasaji waliokuwa wakiupata ndani ya nyumba zao, toka kwa akina baba, bali hata masuala ya mrundikano wa kesi za kugonbea ardhi kwa akina mama, zimepungua. Sababu ni kwamba akina mama wengi wameweza kujitafutia ardhi wenyewe kwa fedha walizonazo.

Ukweli ni kwamba hali imebadilika. Kinyume na hapo awali, ambapo majumba ya kifahari na mashangingi yalikuwa hifadhi ya wanaume. Siku hizi wanawake wanamiliki hayo yote.

Maswali

a) Onyesha jinsi **tano** ambazo kwazo pesa zimemwinua mwanamke. **(alama 5)**

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b) Eleza uhusiano wa kijinsia unaosawiriwa katika kifungu. **(alama 3)**

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c) Taja na ueleze taasisi zozote mbili zilizochangia kuboresha hali ya kina mama. **(alama 2)**

……

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d. Eleza kwa nini baadhi ya wanawake wangali wanaishi katika umaskini. **(alama 2)**

……

……

……

e) Eleza maana ya msamiati na mafungu haya. **(alama 3)**

i. Riziki .....

ii. Wachange bia .....

iii. Ujasiria mali .....

2. UFUPISHO **(alama 15)**

<u>Soma taarifa ifuatayo kisha ujibu maswali.</u>

Mavazi ni muhimu sana kwa insi kwa sababu hutumiwa kusitiri mwili wa mwanadamu. Fauka ya hayo, mavazi humpa mtu unadhifu au urembo. Mavazi pia humsaidia mtu kujikinga kutokana na baridi kali. Hebu fikiria wakati mvua inanyesha au iwapo unatembea bila nguo katika maeneo kama vile Limuru, Timboroa,Kericho na kwingineko ambapo baridi kali hutamalaki. Je, utaweza kuvumilia au mwili wako utaganda kutokana na barídi hii? Mavazi basi yana faida si haba.

Kuna mavazi aina nyingi katika jamii mbalimbali. Mavazi yaweza kuwa mafupi, wastani au marefu. Fauka ya hayo,kuna mavazi yanayovaliwa na wanawake huku mengine yakivaliwa na wanaume.

Mavazi yanaweza kuwa rasmi au si rasmi. Hivi majuzi katibu mkuu wa chama cha mawakili nchini Bwana Mutua,alipendekeza unadhifu miongoni mwa mawakili na majaji ambapo alisisitiza umuhimu wa kudumisha unadhifu na heshima katika taaluma hii kupitia mavazi.Katika shule zetu za msingi na zile za upili pia kuna sheria znazolenga mavazi. Wanafunzi wote wanastahili kuwa na sare.Sare huwafanya wote kuonekana sawa. Iwapo hakungekuwa na sare, basi wale wanafunzi kutoka familia tajiri wangekuwa wakivaa nguo za bei ya juu huku wale kutoka katika familia za walalahoi wakivaa zile duni.Jambo hili huweza kuwavunja moyo wanafunzi na kuleta unyanyapaa miongoni mwa wengine.

Aliyekuwa waziri wa elimu hivi punde, marehemu Mutula Kilonzo, alizua mjadala mkali kuhusu mavazi katika shule za upili za wasichana nchini. Mjadala huu ulihusu urefu wa sketi zinazovaliwa na wanafunzi wasichana.Kulingana na Kamusi ya Karne ya 21, sketi ni vazi la wanawake linaloanzia kiunoni hadi magotini. Hata hivyo, waziri huyo alipendekeza kuwa, sketi za wanafunzi wasichana zinaweza kuwa fupi. Mjadala mkali uliibuka wengi walidai kuwa,zikiwa fupi sana wasichana wetu wa shule huenda wakajipata kuwa windo la walimu wanaume. Wengine walisema kuwa huenda wanafunzi hawa wakapata shida ya kumakinika darasani kutokana na urefu wa sketi hizi fupi hasa wanapoketi au wanapoinama. Wazazi wengi walisema kuwa huenda wasichana hawa wakajiingiza katika vishawishi vya mapenzi ya kiholela.

Katika shule moja ya wasichana huko Thika, kulikuwa na suitafahamu baada ya mwanafunzi mmoja wa kike kujipata katika mzozo baada ya shule hiyo kupinga tabia ya mwanafunzi kuvaa kwa kufuata mtindo wa dhehebu fulani.Shule hiyo ilisimama kidete na kusema kuwa wanafunzi wanafaa kuvaa kama wanafunzi wala si kama waumini. Kumekuwa pia na mzozo katika shule kadhaa hapa nchini kuhusu wanafunzi kuvaa buibui.

Wanafunzi wa kiume pia wamejipata katika utata kwa kuvaa hasa suruali ndefu kwa njia isiyopendeza. Wao huzivuta chini kupita kiasi. Wengine hukosa kufunga mishipi kiunoni badala yao kuziteremsha chini ya kiuno na kuonyesha ukosefu mkubwa wa nidhamu. Wengine wao pia huvaa shanga shingoni. Fauka ya hayo, wengine huvaa bangili ambapo ni kinyume cha sheria. Wanafunzi katika shule hizi wanastahili kuzingatia sheria za shule kuhusu mavazi. Wanafunzi lazima wakumbuke kuwa sheria zilizowekwa shuleni zinakusudiwa kuleta nidhamu katika shule na kuwasaidia kuwa watu wa kufaa katika maisha. Wao ni wa umri mbichi na ni lazima waelekezwe. Wasipewe uhuru wa kuvaa watakavyo kama wafanyavyo wanafunzi katika vyuo vikuu. Hawafai kujilinganisha na wanafunzi hao kwa sababu wale wa vyuo vikuu wana umri wa kujiamulia mambo yao ikilinganishwa na wanafunzi wa shule za upili au zile za msingi. Ni ombi letu kuwa washikadau katika elimu watazidi kuendeleza nidhamu kupitia mavazi ya wanafunzi shuleni.

a) Fupisha aya za kwanza nne kwa maneno 100 (alama 9, utiririko 1)

<u>Matayarisho</u>

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Jibu

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b) Fupisha aya ya mwisho kwa maneno 40 – 50. (alama 6, utiririko 1)

Matayarisho

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Jibu

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3. MATUMIZI YA LUGHA **(Alama 40)**

a) i) Andika neno lenye nazali ya kaakaa laini. **(alama 1)**

……

ii) Onyesha muundo wa silabi katika neno; **(alama 1)**

msahaulifu

……

b) Tofautisha sentensi zifuatazo ukizingatia kiimbo. **(alama 1)**

i) Tafadhali karibieni hapa.

……

ii) Karibieni hapa.

……

c) Ainisha vielezi katika sentensi hii. **(alama 2)**

Mwanafunzi hodari kabisa aliwapiku wote michezoni.

……

……

d) Tumia kiwakilishi cha pekee chenye dhana ya **"baadhi"** katika sentensi. **(alama 2)**

……

……

e) Eleza maana ya viambishi katika neno **mmevipa**. **(alama 2)**

……

……

f) Andika kinyume. **(alama 2)**

Watoto wamemeza dawa kali wakakashifiwa.

……

g) Yakinisha katika wakati ujao. **(alama 2)**

Mikunga hawajakuwa wakivuliwa kwa wingi.

……

……

h) Tendua. **(alama 2)**

Milango iliyofungwa itachomwa mikuki.

……

i) Andika katika wingi. **(alama 2)**

Uyoga uliokuwa kwenye kasha umeoza.

……

j) Andika ukubwa wa sentensi ifuatayo. **(alama 2)**

Ndama wa ng'ombe yule amevunja ndoo kwa upembe mmoja.

……

k) Tunga sentensi kuonyesha kitendo kinaendelea kufanyika. **(alama 2)**

……

……

l) Andika sentensi upya ukifuata maagizo. **(alama 2)**

i) Kaumu alicheza mpira kwa niaba ya Jack. (Anza: Jack…)

……

ii) Mto ambao umelaliwa na mtoto una kunguni. (Tumia "o" rejeshi ya tamati badala ya "amba".)

(alama 2)

……

……

iii) Waziri Ndiema <u>aliteuliwa</u> baada ya mtangulizi wake kujiuzuru. **(alama 2)**

(Geuza neno liliopigiwa mstari kuwa nomino.)

……

m) Andika katika usemi wa taarifa. **(alama 2)**

"Alaa! Mzee huyu ni mwenye imani hivi?" Amani aliuza.

……

n) Tambua aina za virai vilivyopigiwa mstari katika sentyensi hii. **(alama 2)**

Mwanamwali <u>hodari ajabu</u> alitembea <u>kwa madaha</u> kwenda kupojea tuzo lile.

……

……

o) Onyesha matumizi ya **ku** katika sentensi ifuatayo. **(alama 2)**

Yona hakujutia kumchapa mkewe Sara.

……

……

p) Andika ngeli mbili za neno **"kucha"**. **(alama 2)**

……

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……

q) Changanua kwa njia ya jedwali. **(alama 3)**

Fumbo alilotufumbia juzi lilifumbuliwa na Khalim.

……

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r) Ainisha yambwa katika sentensi ifuatayo; **(alama 2)**

Asha alimpikia shangazi yake wali mkavu kule kijijini.

……

……

……

4. ISIMUJAMII **(Alama 10)**

"Hawa wachezaji wa Manyuu hawacheki na watu leo. Wameamua kuishambulia timu ya Cheusi bila huruma. Kumbuka kwamba hii ni mara yao ya... Lo! Anauchukua mpira pale, mchezaji nambari tisa... Matiksta. Matiksta, Matiksta na mpira. Anaucharazacharaza pale. Anamwangalia mwenzake. Anaupiga mpira kwa kichwa pale! Lo! Mwenzake anaukosa. Akiushika mpira pale ni mchezaji wa timu ya Cheusi, Romana. Romana, Romana anaelekeza mpira kwenye lango la Manyuu. Anaupiga mpira kwa nguvu! Lo! Hatari sana. Hatari sana katika lango la Manyuu. Hatari! hatari! Gooooaaaaaal! Noooo ooh! Wameukosa! Goal keeper ameudaka mpira huo. Pole sana wachezaji wa ... Mlinda lango anaupiga mpira huo kwa hasira."

a) Tambua sajili ya dondoo hili. **(alama 1)**

……

b) Eleza sifa **sita** za sajili hii kama zinavyojitokeza kwenye dondoo. **(alama 6)**

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c) Fafanua sifa **nyingine tatu** za sajili hii ambazo zingejitokeza. **(alama 3)**

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HUU NDIO UKURASA WA MWISHO ULIOPIGWA CHAPA

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CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

102/3

KISWAHILI

KARATASI YA 3 (FASIHI)

MUDA: SAA 2½

JINA……

SHULE…… SAHIHI……

NAMBARI YA USAJILI…… MKONDO……

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

MAAGIZO:

a) *Andika jina lako na nambari yako ya mtihani katika nafasi ulizoachiwa hapo juu.*
b) *Tia sahihi yako kisha uandike tarehe ya mtihani katika nafasi ulizoachiwa hapo juu.*
c) *Jibu maswali* ***manne*** *pekee.*
d) *Swali la* ***kwanza*** *ni la* ***lazima.***
e) *Maswali hayo mengine matatu yachaguliwe kutoka sehemu nne zilizobaki; yaani; Riwaya, Tamthilia, Ushairi, Hadithi Fupi .*
f) *Majibu yote* ***lazima*** *yaandikwe kwa lugha ya Kiswahili*

KWA MATUMIZI YA MTAHINI PEKEE.

Swali	Upeo	Alama
1	20	
	20	
	20	
	20	
Jumla	80	

SEHEMU A:FASIHI SIMULIZI **(ALAMA 20)**

1. LAZIMA

Hamkuona jinsi tulivyowapiga mabao

Hamkuona vile tuliwachezea kama watoto,tuliwachenga kila mara

Hamkuona waliponea tundu la sindano tungewapiga mabao kumi na mbili

Ingekuwaje timu mbovu kama hii kucheza na miamba kama sisi?

Niliwafunga baada ya sekunde wakati ule nitashindwaje leo?

Maswali

a) i)Tambua kipera kinachodokezwa na maelezo haya na ukifafanue. **(alama 2)**

ii) Fafanua sifa zozote sita za kipera ulichotambua katika (a) **(alama 6)**

b) i) Wewe ni miongoni mwa wale wanaotambiwa ngano katika kikao cha utambaji wa ngano.Fafanua mambo sita ambayo unaweza kuchangia ili kufanikisha uwasilishaji wa utambaji. **(alama 6)**

ii) Umeanza mikakati ya kukusanya data kupitia mbinu ya mahojiano. Eleza changamoto sita ambazo unaweza kukumbana nazo nyanjani. (**alama 6)**

SEHEMU B:TAMTHILIA

Timothy M.Arege :Bembea ya Maisha

Jibu swali swali la 2 au la

2. Mama!Mamangu mzazi ni mboni ya jicho kwetu.Ananihitaji kipindi hiki cha lala salama.

a) Eleza muktadha wa dondoo hili. **(alama 4)**

b) Tambua mbinu tatu za lugha zinazojitokeza katika dondoo hili. **(alama 3)**

c) Fafanua sifa za mhusika '***mamangu mzazi'*** ukirejerea tamthlia nzima. **(alama6)**

d)Fafanua majukumu ya elimu katika jamii kwa mujibu wa tamthlia ya Bembea ya Maisha. **(alama 7)**

au

3. "Sara: Si neno mama!(kimya).Hakuna kizuri kijacho kwa urahisi.Mazuri hutoka mbali na wakati mwingine yana hadithi za kutisha.Maisha yetu ni mfano wa mbegu iliyopandwa .Mbegu hiyo haina budi kuoza kwanza ndipo ioteshe mche upendezao."

a) Changanua mtindo katika dondoo hili. **(alama 8)**

b) "Sasa hali ni tofauti. Tamaduni,mila na desturi zetu zimezidi kuyakubali mabadiliko."

i) Eleza nafasi ya msemaji wa kauli katika (b),katika kuendeleza tamthilia husika. **(alama 6)**

ii) Wahusika mbalimbali katika tamthilia ya *Bembea ya Maisha* wamebuni mikakati mwafaka ili kujikomboa kutokana na kauli zilizopigiwa mstari.Fafanua mikakati **sita** kutoka tamthliani. **(alama 6)**

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SEHEMU C: RIWAYA

Clara Momanyi: Nguu za Jadi

Jibu swali la 4 au 5

4. Hakujua akimbilie wapi.Sasa afanye nini?Alilitupia lile jinyama lakini likahepa.Alihisi maisha yake yamo hatarini.

a) Yaweke maneno haya katika muktadha wake. **(alama 4)**

b) Kwa kutoa mfano,tambua mbinu mbili za lugha katika dondoo hili **(alama2**)

c) Fafanua umuhimu wa mandhari katika riwaya hii. **(alama 6)**

d) Jamii ya nchi ya Matuo imesheheni vikwazo ambavyo vinakaa kama nguu,na kutoka jadi nguu hizi zimeathiri kwa upana usawa katika jamii.Tathmini kauli hii kwa hoja **sita. (alama 6)**

au

5. Hivyo,alitaka kubadili hali hata kama ilimaanisha kukitia kichwa chake kinywani mwa simba. Alitaka kuliokoa jahazi lililokuwa likielekea mwambani kwa kasi. Lakini angeliweza vipi kupambana na utandu wa mahasidi hao?

a)) Fafanua umuhimu wa anayerejelewa dondooni katika kukuza na kuendeleza vitushi riwayani. **(alama 4**)

b) Eleza sababu za mrejelewa kutaka kufaulisha kauli iloyopigiwa mstari. **(alama 10)**

c) Mwandishi wa riwaya ya Nguu za Jadi amefanikiwa kutumia **mbinu ya majazi** katika kukuza wahusika na mandhari mbalimbali riwayani.Fafanua kwa kutolea mifano **sita**. **(alama 6)**

SEHEMU D: USHAIRI

Jibu Swali la 6 au 7

6. *Soma shairi lifuatalo kisha ujibu maswali.*

Barabara.

Barabara bado ni ndefu
Nami tayari nimechoka tiki
Natamani kuketi
Ninyooshe misuli
Nitulize akili

Lakini

Azma yanisukuma
Mbele ikinihimiza kuendelea
Baada ya miinuko na kuruba
Sasa naona unyoofu wake
Unyoofu ambao unatisha zaidi.

Punde natumbukia katika shimo
Nahitaji siha zaidi ili kupanda tena,
Ghafla nakumbuka ilivyosema
Ile sauti zamani kidogo
"Kuwa tayari kupanda na kushuka".

Ingawa nimechoka
Jambo moja li dhahiri
Lazima niifuate barabara
Ingawa machweo yaingia
Nizame na kuibuka

Nipande na kushuka
Jambo moja nakumbuka: Mungu
Je, nimwombe tena? Hadi lini?
Labda amechoshwa na ombaomba zangu
Nashangaa tena!

Kitu kimoja nakiamini
Lazima niendeleee kujitahidi kwa kila hatua mpya
Nijikokote kuiandama hii barabara yenye ukungu
Nikinaswa na kujinasua,
Yumkini nitafika mwisho wake
Ikiwa wangu mwisho haitauwahi kabla.

(Timothy Arege)

Maswali:

(a) Taja aina ya shairi hili. **(alama 2)**
(b) Eleza toni ya shairi hili. **(alama 2)**
(c) Fafanua dhamira ya shairi hili. **(alama 2)**
(d) Bainisha vipengele vifuatavyo vya kimtindo katika shairi hili. **(alama 3)**
(i) Tanakuzi
(ii) mbinu rejeshi
(iii) Taswira
(e) Eleza umuhimu wa maswali balagha katika shairi. **(alama 2)**
(f) Andika ubeti wa mwisho kwa lugha nathari. **(alama 4)**
(g) Eleza matumizi ya mistari mishata katika shairi hili. **(alama 2)**
(h) Eleza muundo wa shairi hili. **(alama 3)**

AU

7. Soma shairi hili kisha uyajibu maswali;

Jicho, tavumiliaje, kwa hayo unayo?
Kicho, utasubirije, maonevu yapitayo?
Kwacho, lijalo nalije, nimechoka vumiliyo
Naandika!

Moyo, unao timbuko, maudhi tusikiayo
Nayo, visa na mauko, wanyonge yawakutayo,
Kwayo, sina zuiliko, natoa niyahisiyo
Naandika!

Hawa, wanatumuliya, dhiki wavumiliayo
Hawa, mamiya, na mali wazalishayo
Hawa, ndo wanaumiya, na mafia wakutayo
Naandika!

Hawa, sioni wengine, kwao liko angamiyo
Hawa, huwapa unene, watukufu wenye nayo
Hawa, bado ni wavune, kwa shida waitikayo
Naandika!

Bado, wawapo mabwana, wenye pupa na kamiyo
Bado, tofauti sana, kwa pato na mengineyo
Bado, tuling'owe shina, ulaji pia na choyo.
Naandika!

Maswali

a) Malenga wa shairi hili alidhamiria kufafanua masuala kadhaa yanayokumba Jamii.Taja **manne** ya masuala haya kwa kurejerea shairi. **(alama 4)**

b) Tambua bahari za shairi hili kwa kuzingatia vigezo vifuatavyo; **(alama 4)**

i) vina
ii) kibwagizo
iii) idadi ya vipande
iv) mishororo

c) Kwa kutoa mifano,tambua mbinu **mbili** ambazo mshairi ametumia kutosheleza mahitaji ya kiarudhi. **(alama2)**

d) Tambua kwa mifano mbinu **mbili** za kimtindo alizotumia mshairi. **(alama4)**

e) Andika ubeti wa **nne** katika lugha nathari. **(alama 4)**

f)Tambua na ueleze toni katika shairi hili. **(alama 2)**

SEHEMU E: HADITHI FUPI

D.Lutomia na Phibbian Muthama: *Mapambazuko ya Machweo na Hadithi Nyingine*

8.***Fadhila za Punda***

Alipozidiwa akapoteza fahamu.Fahamu zilipomrudia,maumivu yakamvamia.Mumewe hakuonekana,amejiendea na kumwaacha afilie mbali.Alilia machozi yakamwisha.

a)Eleza muktadha wa dondoo hili. **(alama 4)**

b)Taja mbinu **mbili** za lugha zilizotumika katika dondoo hili. **(alama 4)**

c)Fafanua mbinu **nne** za kutambua sifa za mhusika anayerejelewa. **(alama 4)**

d)Kwa kurejelea hadithi "Fadhila za punda" onyesha kwa hoja **nane** ufaafu wa mdokezo wa methali ufuatao: ***maskini akipata makalio hulia bwata*** kwa kutolea mifano mwafaka hadithini. (alama 8)

HUU NDIO UKURASA WA MWISHO ULIOPIGWA CHAPA

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

MATHEMATICS

121/1

PAPER 1

TIME: 2½ HOURS

NAME……

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

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 ONLY five questions in 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	22	23	24

Grand Total

SECTION I 50 Marks

Attempt all the questions in this section

1. Evaluate**;** **(3 marks)**

$$\frac{-12\div(-3)\times4-(-20)}{-6\times6\div(-6)}$$

2. Solve the following expressions using substitution method**.** **(3 marks)**

$3x + 4y = 3$

$x + 6y = 7$

3. Solve for x; $9^x \times 27^{x-1} = 1$ **(3 marks)**

4. The surface area of two similar bottles are $12\ cm^2$ and $108\ cm^2$ respectively. If the larger one has a volume of $810\ cm^3$, find the volume of the smaller one. **(3 marks)**

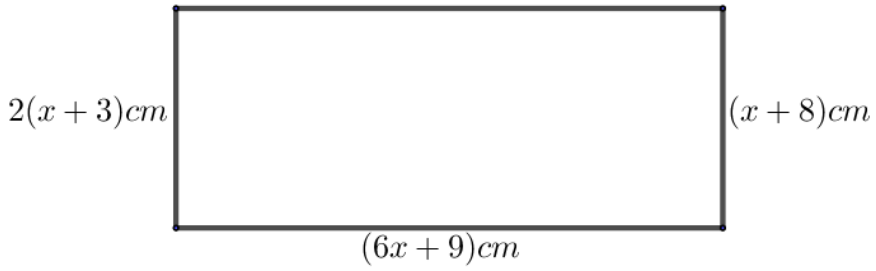
5. Express $0.2\dot{7}$ as fraction hence solve $0.2\dot{7} - 0.14$ **(3 marks)**

6. The sum of interior angles of a regular polygon is $1\ 080°$

a) Find the size of each exterior angle**.** **(2 marks)**

b) Name the polygon**.** **(1 mark)**

7. Calculate the area of the figure below; **(3 marks)**

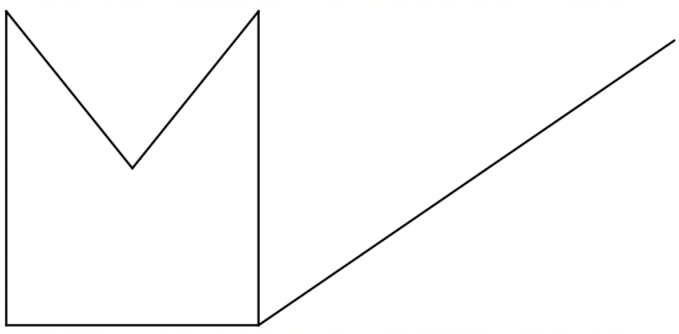


8. Use reciprocal tables to solve the following correct to 4 significant figures**;** **(3 marks)**

$$\frac{6}{0.272} - \frac{2}{20.36}$$

9. Complete the sketch of a solid shown below, showing both the visible and hidden lines.

(3 marks)



10. Simplify**;** **(3 marks)**

$\frac{a+b}{2} - \frac{2a-b}{3}$

11. A Kenyan bank buys and sells foreign currencies as shown below.

	Buying (Ksh)	Selling (Ksh)
1 US Dollar	76.38	75.19
1 UK Pound	132.92	132.95

A tourist arrived in Kenya from Britain with 126,000 UK sterling pounds. He converted the pounds into Kenyan shillings. While in Kenya he spent half of the money. He changed the balance to US dollars. Calculate to the nearest Dollar, the amount he received. **(4 marks)**

12. The average lap time for 3 athletes in a long-distance race is 36 seconds, 40 seconds and 48 seconds respectively. If they all start the race at the same time, **find** the number of times the slowest runner will have been overlapped by the fastest athlete at the time they all cross the starting point together again**.** **(3 marks)**

13. The position vectors of points **A** and **B** are $2i + 3j + 9k$ and $-5i + k$ respectively. Calculate $|AB|$ leaving your answer in surd form**.** **(3 marks)**

14. Evaluate**;** **(3 marks)**

$$\frac{1\frac{7}{8} + \frac{2}{3}\ of\ 2\frac{1}{4} - 1\frac{3}{4}}{1\frac{3}{5} - 4\frac{1}{2} \div 1\frac{4}{5} + 1\frac{1}{3}}$$

15. Simplify $\frac{12x^2-16x}{20-11x-3x^2}$ **(3 marks)**

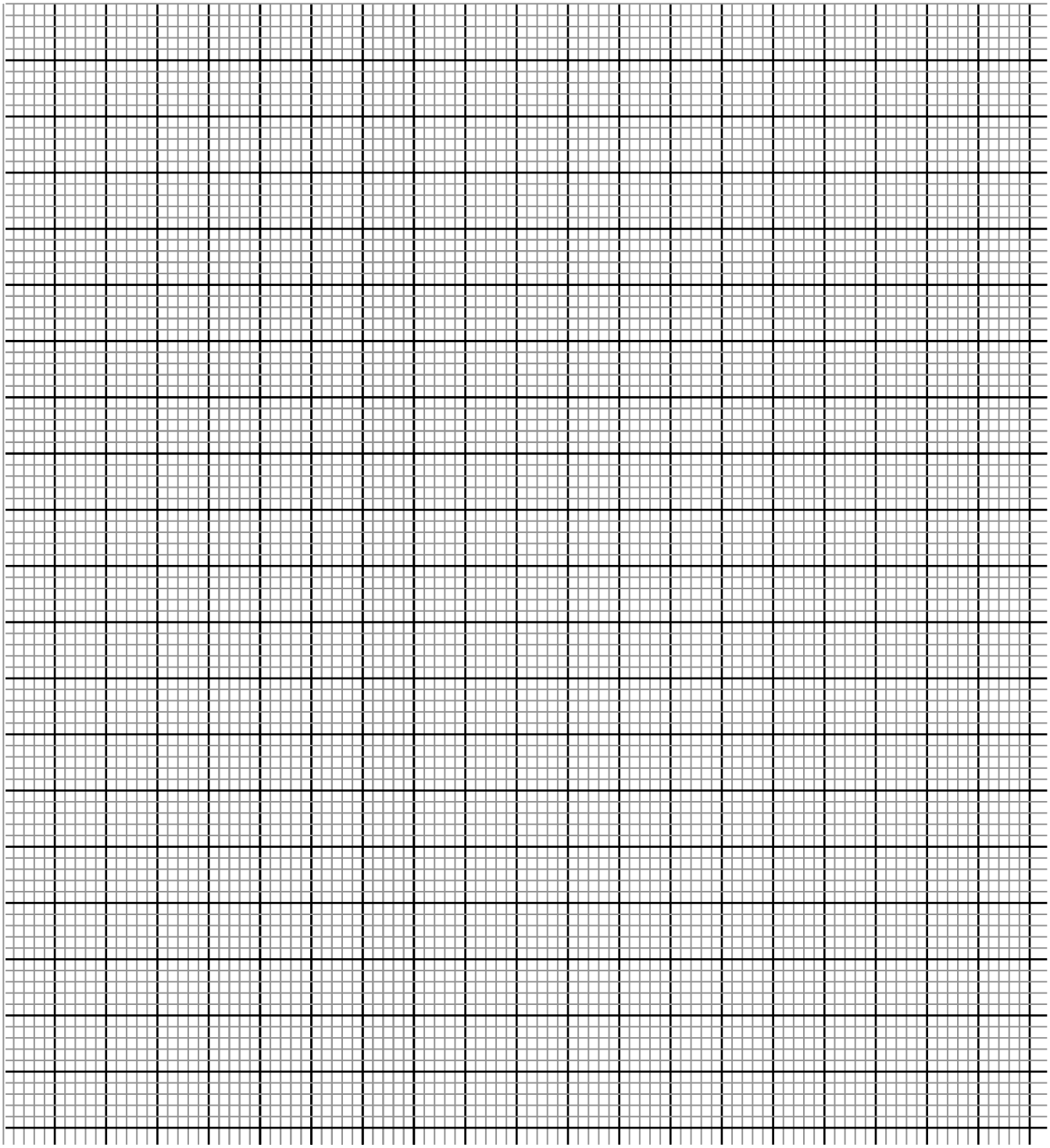
16. Given that $\cos A = \frac{5}{13}$ and angle A is acute, find without using a calculator the value of $2\ tan\ A\ +\ 3\ sin\ A$**.** **(3 marks)**

SECTION II (50 Marks)

Answer any Five questions ONLY in this section

17. Triangle $A(3,4)$, $B(9,4)$, $C(6,6)$ is mapped onto $A'\,B'\,C'$ under reflection $y = x$.

a) Plot the object and the image. **(3 marks)**



b) $A'\ B'\ C'$ is transformed by an enlargement scale factor 2 and centre of enlargement (4,0) to obtain $A''\ B''\ C''$. State the coordinates of $A''\ B''\ C''$ and plot. **(4 marks)**

c) $A''\ B''\ C''$ is transformed by a positive quarter turn to obtain $A'''\ B'''\ C'''$. State its coordinates and plot. **(3 marks)**

18. Three teachers Mark, Nashon and Nyongesa decided to buy a plot. The plot owner offered the plot at 5.8 million but agreed to be paid 75% of the value as initial deposit in the ratio $5:3:2$ respectively and the remaining amount be paid after 2 years including an additional 5% of the initial value for processing the plot documents. The total balance was paid in the same ratio as the deposit.

a) How much of the deposit did each contribute**?** **(5 marks)**

b) What amount of money were the teachers to pay at the end of 2 years. **(3 marks)**

c) How much of the total value did Nashon pay**?** **(2 marks)**

21. Heights in cm for 50 seedlings were recorded in the table below.

3	7	15	11	19	4	15	16	6	20
22	8	20	4	19	14	13	8	21	12
9	21	13	8	16	17	8	7	12	13
12	8	17	3	18	5	12	11	12	14
10	16	9	18	9	15	10	14	12	14

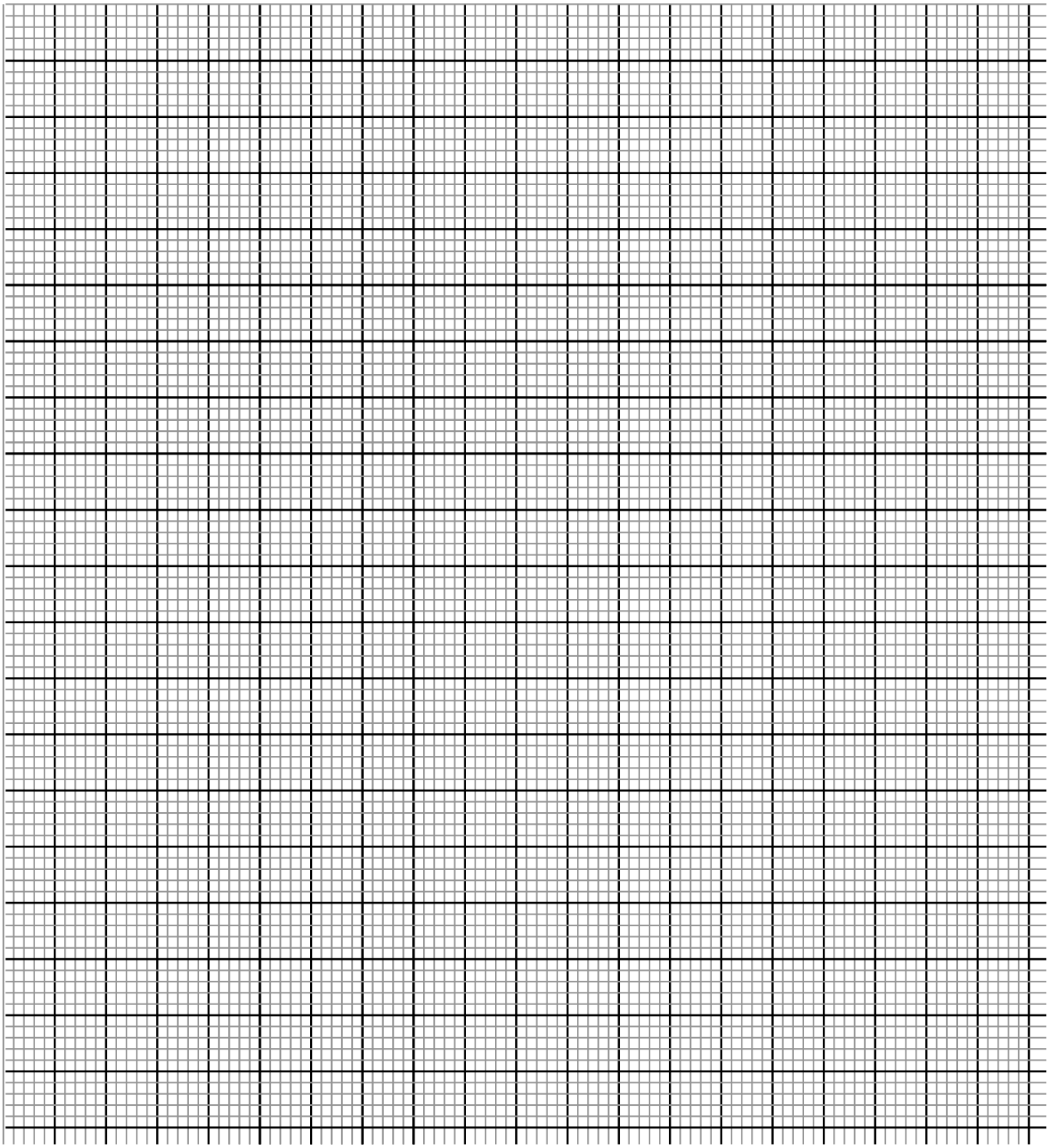
a) Starting with 3 and using a class interval of 4, draw a frequency distribution table. (**2 marks)**

b) Using the frequency distribution table in (a) above, calculate:

i. The mean height**.** **(3 marks)**

ii. The median height**.** **(3 marks)**

c) On the grid provided below, draw a frequency polygon to represent the information in the table in (a) above**.** **(2 marks)**



19. Point A and B have the coordinates as $(6,6)$ and $(4,1)$ respecively.

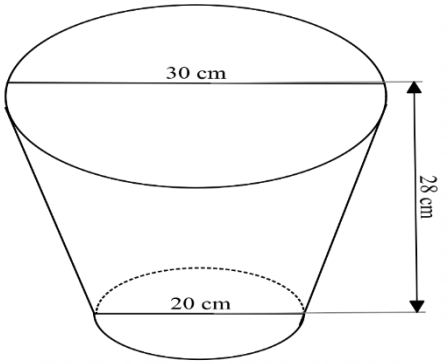
a) Find the equation of the line AB. **(3 marks)**

b) Find the midpoint of AB. (**2 marks)**

c) Find the equation of perpendicular bisector of **AB** **(3 marks)**

d) Find the y intercept of the line AB **(2 marks)**

20. The diagram below shows an open bucket with top diameter 30 cm and bottom diameter 20 cm. the height of the bucket is 28 cm: $\left(Take\ \pi = \frac{22}{7}\right)$



Find the:

a) Capacity of the bucket in litres **(5 marks)**

b) Area of the metal sheet required to make 100 such buckets, taking 10% extra for overlapping and wastage. **(5 marks)**

21. Towns P and Q are 400 km apart. A motorbike travelling at an average of 60km/h left town P for town Q at 1:20 p.m. A matatu travelling at an average speed of 80km/h also left town P for town Q at 2:00 p.m.

(a) Calculate the;

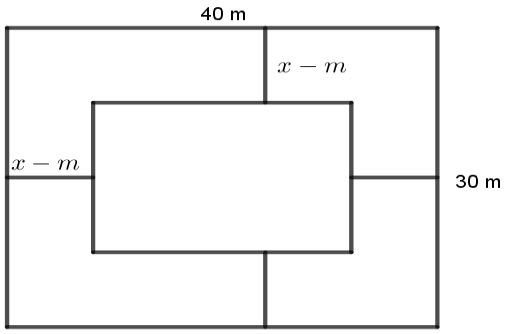
i.Distance covered by the motorbike by 2:00 p.m. **(2 marks)**

ii. Distance from town P in km where the matatu caught up with the motor bike. **(3 marks)**

iii. Time when the matatu caught up with the motor bike**.** **(2 marks)**

(b) A truck travelling at an average speed of 40km/h left town Q for town Pat 2:00pm. Determine the time when the truck and matatu met **(3 marks)**

22. A rectangle plot measures of 40m by 30m.A rectangular path of width x m is situated inside the plot surrounding the kitchen garden as shown in the **figure below.**



i. Form and simplify the expression in x for the area of the

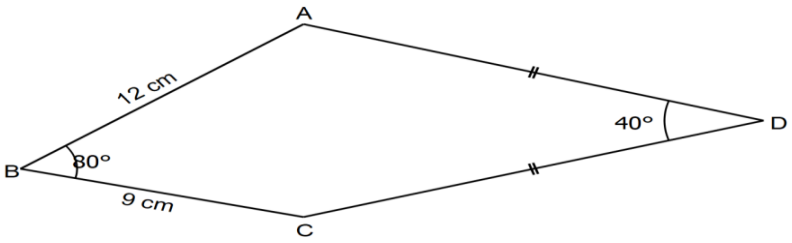
a) Path **(2 marks)**

b) Kitchen garden. **(1 mark)**

ii. The area of the path is two times the area of the kitchen garden form an equation in x and hence solve for x. **(4 marks)**

iii. Determine the perimeter of the **lawn** **(3 marks)**

23. The figure below is a quadrilateral ABCD in which AB = 12 cm, BC = 9 cm, CD = AD, and $\angle ABC = 80°$ and $\angle ADC = 40°$.



a) Calculate, correct to one decimal place:

i. The length AC**.** **(2 marks)**

ii. The length DC. **(2 marks)**

iii. The size of angle BAD. **(3 marks)**

b) Calculate the area of the quadrilateral ABCD, correct to one decimal place. **(3 marks)**

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CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

MATHEMATICS

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PAPER 2

TIME: 2½ HOURS

NAME……

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

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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	22	23	24

Grand Total

SECTION I 50 Marks

Attempt all the questions in this section

1. By correcting each number to one significant figure approximate the value of 655×0.007 hence calculate the percentage error arising from this approximation. **(3 marks)**

2. Make P the subject of the formula in $X = \sqrt{\frac{Y(P-Y)}{P-1}}$ **(3 marks)**

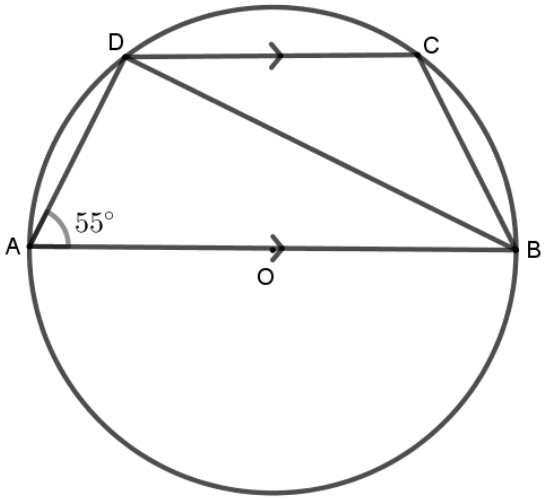
3. Solve the equation $4x^2 + 7x + 3 = 0$ using completing the square method. **(3 marks)**

4. The equation of a circle is given as $4x^2 + 4y^2 - 16x + 24y + 3 = 0$. Find the centre of the circle and its radius. **(3 marks)**

5. How many terms of the series $3 + 6 + 9 + 12 + \cdots$ will give sum to be 6390 **(3 marks)**

6. Solve for x; $\mathbf{log_{27}(x + 5) - log_{27}(x - 3) = \frac{2}{3}}$ **(3 marks)**

7. In the figure below, O is the centre of the circle. A, B, C and D are points on the circumference of the circle. Line AB is parallel to line DC and angle $DAB = 55°$. Determine the size of angle ABC. **(3 marks)**



8. The following table shows the distribution of marks of 80 students

Marks	1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
Frequency	1	6	10	20	15	5	14	5	3	1

Calculate the semi-interquartile range. **(4 marks)**

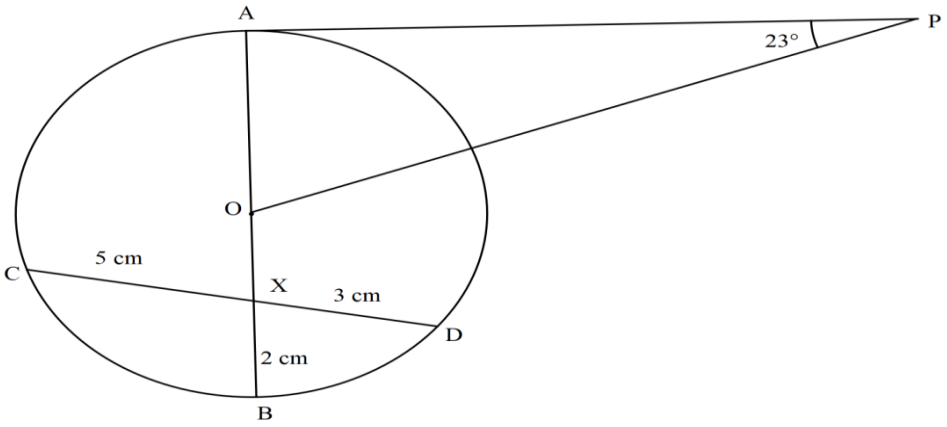
9. Express $\cos 45°$ in surd form hence rationalize $\frac{14}{2-\cos 45°}$, leaving the answer in the form $a + b\sqrt{c}$. **(3 marks)**

10. State the amplitude and period of $y = 2\ \cos x$ **(2 marks)**

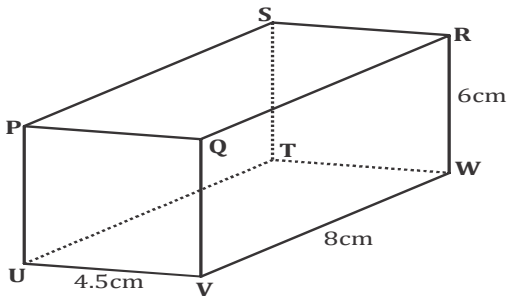
11. A bag contains 3 black balls and 6 white ones. If two balls are drawn from the bag one at a time, find the probability of drawing a black ball and a white ball without replacement.

(3 marks)

12. The diagram below shows a circle centre O. AP is the tangent to the circle, AB is diameter of the circle and chord CD intersect the diameter AB at X. Given that CX = 5 cm, XD = 3 cm, XB = 2 cm and angle OPA is 23°. Find the length of the tangent AP**.** **(3 marks)**



13. The diagram below represents a cuboid PQRSTUVW in which UV = 4.5cm, VW = 8cm and WR = 6cm



Calculate the size of the angle between the lines UR and UW **(3 marks)**

14. Find the matrix of transformation of triangle PQR with vertices $P(1,3)$ $Q(3,3)$ and $R(2,5)$.The vertices of the image of the triangles is $P'(1,-3)Q'(3,-3)$and $R'(2,-5)$ **(3 marks)**

15. y is a function of x such that $y = \left(2x - \frac{1}{x}\right)^8$.

a) Express the function in expanded format upto the constant term. **(1 mark)**

b) Use your expansion in (a) above to find y given that $y = \left(0.8 - \frac{1}{x}\right)^8$ **(2 marks)**

16. Two types of rice x and y cost Ksh. 60 and Ksh. 72 per kilogram respectively. The two types are mixed such that the cost of a kilogram of the mixture is Ksh. 70. Calculate the ratio $x: y$ of the mixture. **(3 marks)**

SECTION II 50 Marks

Attempt any FIVE questions only in this section

17. X varies as the cube of Y and inversely as square root of Z. $X = 6$ when $Y = 3$ and $Z = 49$.

(a) Find;

(i) An expression connecting X, Y and Z **(3 marks)**

(ii) X when Y = 7 and Z = 16 **(2 marks)**

(iii) Y when X = 8 and Z = 25 **(2 marks)**

b) If Y is increased by 20% and Z is decreased by 36%, find the percentage increase in X.

(3 marks)

18. (a) The first term of a geometric progression is 36. The sum of the first three terms is 27. Calculate the common ratio and the value of the second term**.** **(4 marks)**

(b) The first term of an AP is 2. The first term of a geometric sequence is also 2 and its common ratio equals the common difference of the arithmetic sequence. The square of the fifth term of the arithmetic sequence exceeds the third term of the geometric sequence by 2. Find;

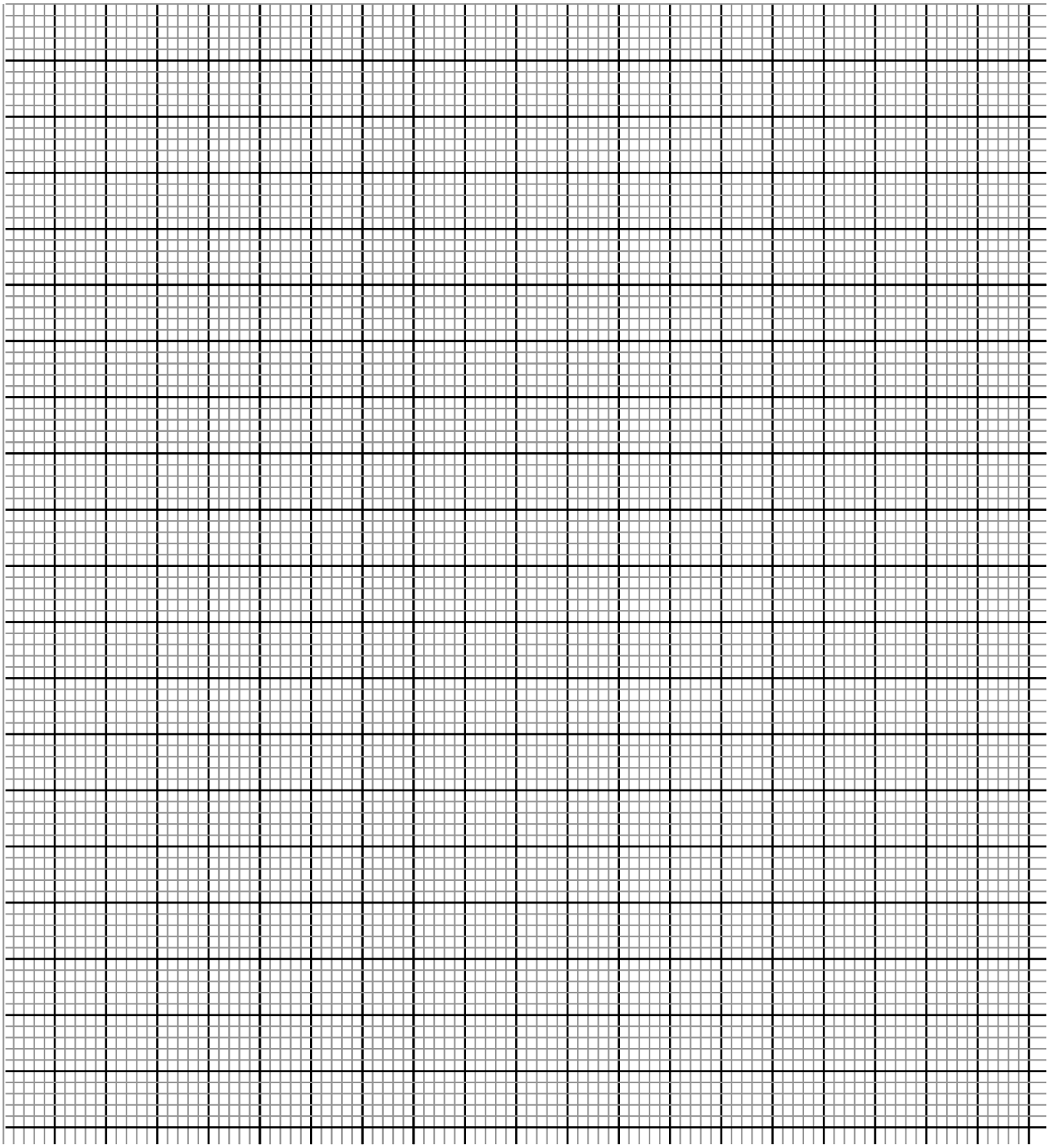
i. The common difference. **(3 marks)**

ii. The sum of the first 50 terms of the arithmetic progression. **(3 marks)**

19. The distance(s) covered by a toy car at intervals of one second are given in the table below.

Time,t (sec)	1	2	3	4	5	6
Distance,s (cm)	2	10	30	68	130	222

(a) Draw the graph of ***s*** against **t.** **(3 marks)**

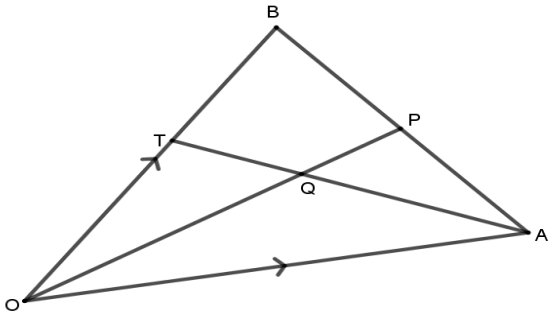


(b) Use the graph to find;

i.The speed when $t = 3.5\ seconds$. **(2 marks)**

ii. The average speed between the 3rd and 5th seconds. **(2 marks)**

20. In the figure below OA = $\breve{\boldsymbol{a}}$ and OB = $\breve{\boldsymbol{b}}$.



Points P and T divide AB and OB internally in the ration 2: 3 and 1: 3 respectively. Lines OP and AT meet at Q.

a) Find in terms of $\breve{\boldsymbol{b}}$ and $\breve{\boldsymbol{a}}$

(i) AT **(2 mark)**

(ii) AP **(2 marks)**

(iii) OP **(2 marks)**

b) If $OQ = kOP$ and $AQ = hAT$ where *k* and *h* are constants express OQ in two different ways and hence find the values of h and k**.** **(4 marks)**

21. The table below shows the income tax rates in a certain year.

Annual taxable income in Kenya shillings	**Tax rate in %**
0 – 144 000	5
144 001 – 300 000	10
300 001 – 468 000	15
468 001 – 648 000	20
648 001 – 840 000	25
Above 840 000	30

During that year Kamau's annual tax in the sixth band was Kshs.108 000

(a) Determine Kamau's annual gross tax**.** **(3 marks)**

(b) If he enjoyed annual relief of Kshs.21 000 annually, determine his monthly net tax (P.A.Y.E)

(2 marks)

(c) Determine Kamau's gross salary per month. **(3 marks)**

(d) The following deductions were also made from Kamau's salary every month: Cooperative shares Kshs.8 000,

Co-operative loan Kshs.12 000,

Pension scheme Kshs.4 000

Union dues Kshs.2000.

Determine Kamau's monthly net salary during that year. **(2 marks)**

22. Peter, John and James are practicing archery. The probability of peter hitting the target is $\frac{2}{5}$, that of john hitting the target is $\frac{1}{4}$ and that of james hitting the target is $\frac{3}{7}$.

Find the probability that in one attempt;

a) Only one hit the target**.** **(3 marks)**

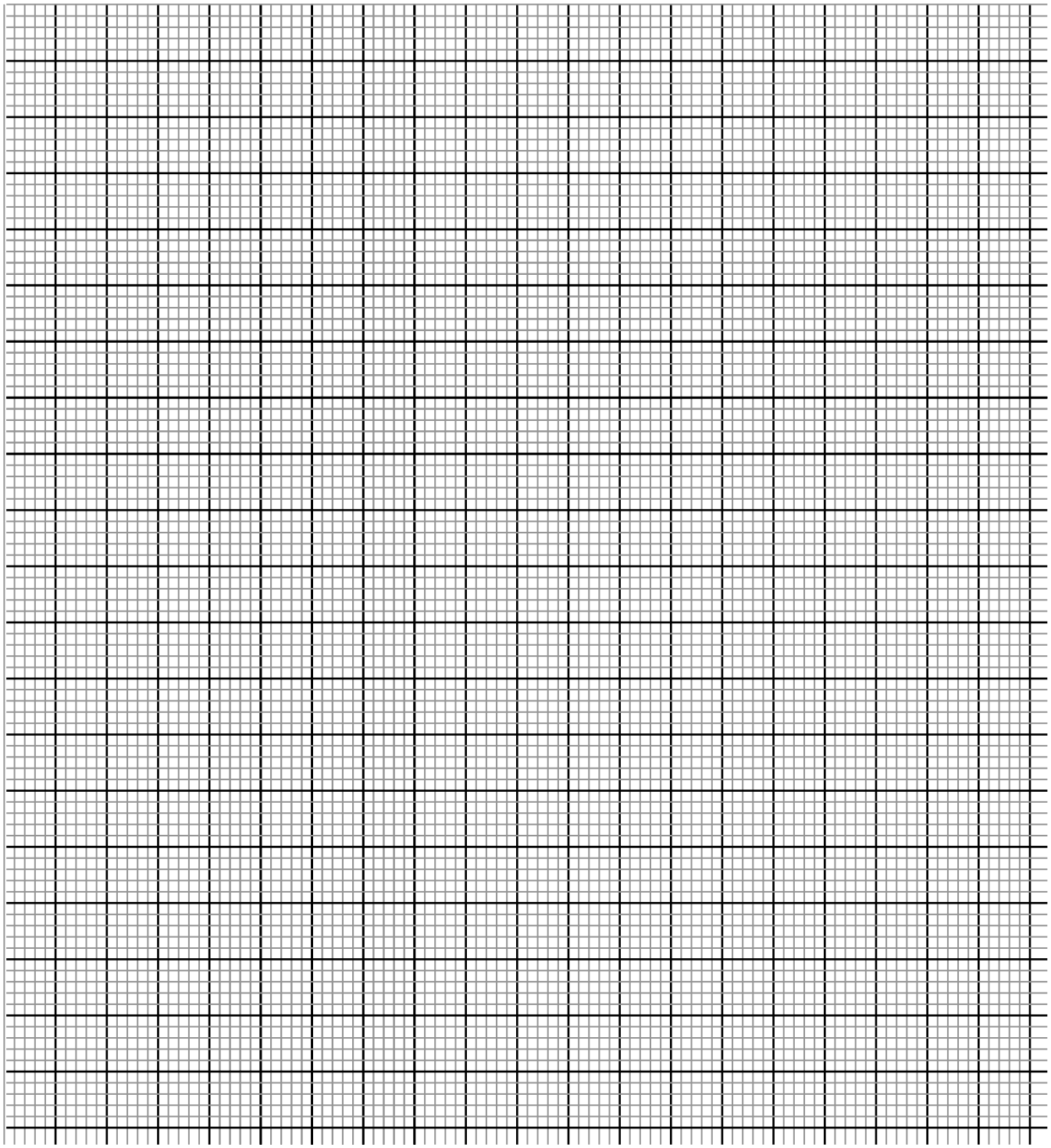
b) All the three hit the target **(2 marks)**

c) None of them hit the target**.** **(2 marks)**

d) Two hit the target. **(3 marks)**

23. The Points A', $B'$and C' are the images of $A(4,1)$, $B(0,-2)$ and $C(-2,4)$ respectively under a transformation represented by the matrix $M = \begin{pmatrix} -1 & 1 \\ 2 & -3 \end{pmatrix}$

a) Plot ΔABC and $\Delta A'B'C'$and write down the coordinates of A', B' and C' **(3 marks)**

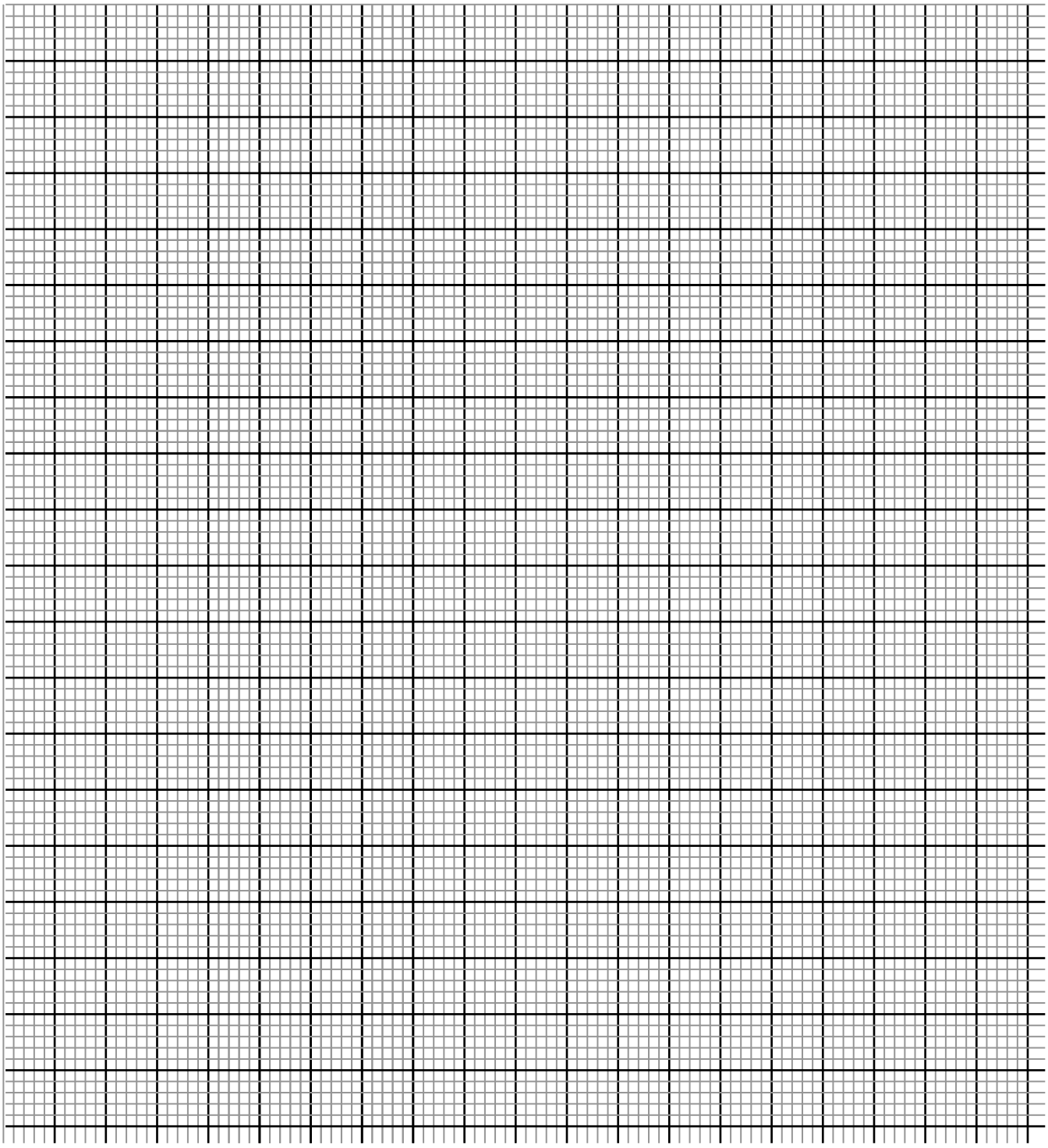


b) A'', B'' and C'' are the images of A', B' and C'under another transformation whose matrix is $N = \begin{pmatrix} 2 & -1 \\ 1 & 2 \end{pmatrix}$. Write down the coordinates of $A'', B''$and $C''$and plot $\Delta A''B''C''$.

(4 marks)

c) Transformation M followed by N can be represented by a single transformation P. Determine the matrix for P**.** **(3 marks)**

24. (a) (i) Draw the graph of $y = 2x^2 - 3x - 5$ for $-2 \leq x \leq 3$. **(4 marks)**



(ii) Use the graph to solve the equation $2x^2 - 3x - 5 = 0$. **(1 mark)**

(b) Using the same axes, draw the graph of $y = -2x - 2$. **(2 marks)**

(c) From the graphs, find the values of x which satisfy the simultaneous equations;

$2x^2 - 3x - 5$

$y = -2x - 2$ **(1 mark)**

(d) Write down the quadratic equation which is satisfied by the values of x where the two graphs intersect. **(2 marks)**

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CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

COMPUTER STUDIES

451/1 (THEORY)
PAPER 1
TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

- Write your **Name, Class, Admission Number** and **Index Number** in the spaces provided.
- Answer **ALL** the questions in **section A**
- Answer **question 16 (Compulsory)** and **any other three** questions from **section B.**

FOR OFFICIAL USE ONLY

Question	Maximum score	Actual score
1-16		
17		
18		
19		
20		
TOTAL SCORE		

SECTION A: (40 MARKS)

Answer ALL Questions in This Section

1. Explain the term procedural language as used in computer programming. **(2mks)**

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2. A company allows employees to telework work at home and communicate with the office using internet.

(i) State three ways that a report could be sent to the office using the internet. **(3mks)**

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(ii) Give two benefits to the company of using video conferencing. **(2mks)**

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3. List two types of job opportunities that are available in the field of computer software. **(2mks)**

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4. Describe three ways of deleting a line of text in Microsoft word document. **(3mks)**

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5. Explain the holistic thinking with respect of system development. **(2mks)**

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6. Give three features of good algorithm. **(3mks)**

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7. List three human features used in biometric systems installed in a computer to authenticate users. **(3mks)**

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8. Mention three ways in which human beings issue commands to computer. **(3mks)**

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9. Give four file management tasks that would be carried out by an operating system. **(4mks)**

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10. What is input validation with regard to spreadsheet application. **(2mks)**

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11. Explain three health challenges that workers may experience as a result of using ICT gadgets in an organization. **(3mks)**

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12. Identify two circumstances under which a system analyst may prefer to use automated methods to collect data instead of questionnaire, observation, interviews and book review. **(2mks)**

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13. Explain the following measures against unauthorized access: **(2mks)**

(a) Security policy

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(b) Security monitor

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14. Briefly explain two types of logical topologies. **(2mks)**

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15. What does gutter mean in relation to column setting in DTP. **(2mks)**

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SECTION B (60 MARKS)

Answer Question 16 (Compulsory) and any other three questions in this section.

16. a) State the three basic types of program control structures. **(3mks)**

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b) Define the following terms

i) Hardware oriented **(2mks)**

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ii) Translator **(2mks)**

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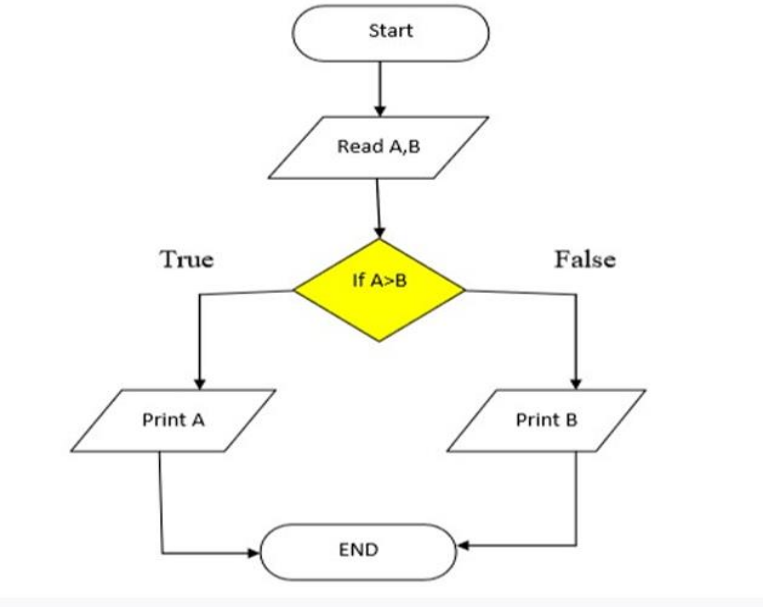
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iii) Syntax error **(2mks)**

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c) Study the following flowchart diagram.



i) Indicate the purpose of the above flowchart. **(1mk)**

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ii) Design a pseudocode for the flowchart above. **(5mks)**

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17. a) Study the table below and answer the questions that follow.

	A	B	C	D	E	F	G
1	**Product ID**	**Product Name**	**Received Quantity**	**Sold Quantity**	**Balance Stalk**	**Unit Price**	**Total**
2	**KW00012**	**KDF**	**1000**	**300**	**700**	**60**	
3	**KW00023**	**Juice Kola**	**200**	**150**	**50**	**50**	
4	**KW00045**	**Gaddafi**	**130**	**130**	**0**	**10**	
5	**KW00029**	**Bread**	**400**	**200**	**200**	**50**	
6	**Trade Discount**	**10%**					
7	**VAT**	**16%**					

(i) Write down the formula that

Calculate the balance stock **(2mks)**

Calculate the total cost **(2mks)**

(ii) Given that customers who purchased Juice Kola were allowed 10% trade discount write a formula that would be used to get the total cost. **(2mks)**

(iii) Value added Tax of 16% was imposed on Gaddafi write a formula for the new price.**(2mks)**

b) Describe three hardware related factors that one need to consider before installing an operating system. **(3mks)**

c) List three things that may cause malfunction in Microsoft Window Operating system environment **(3mks)**

18.a) List two types of domain names given to institutions of learning. **(2mks)**

b) Explain the function of each button on the navigation toolbar of a web browser. **(3mks)**

(i) History

(iii) Home

(iv) Download

c) Peter Kenneth bought a PC for his personal use at home. He wanted to do online writing at home to earn a living but there was no internet connectivity at home. Mention three internet connectivity requirements Peter Kenneth need to consider to get full internet connectivity. **(3mks)**

For Marking Schemes Contact 0746 222 000 / 0742 999 000

d) Give three reasons to justify why companies like Alibaba, Kilimali, Jumia, Copia and Masoko prefer selling their products on e-commerce platform **(3mks)**

e) Describe three factors to consider when choosing a file organization method. **(2mks)**

f) State two challenges facing electronic data processing modes in the current society. **(2mks)**

19. a) Enumerate four break-through in health care investigated by ICT **(4mks)**

b) Name four application areas of artificial Intelligence. **(4mks)**

c) List three scanning devices available at electronic Point Sale Terminal. **(3mks)**

d) Describe two ways of avoiding eavesdropping. **(2mks)**

e) System failure is considered as a threat to data security. Describe three measures an organization should put in place to guard against system failure. **(3mks)**

20.a) List two types of fields in a database use to create relationship between multiple table **(2mks)**

b) Describe three types of relationships used in a database to link multiple tables. **(3mks)**

c) Describe the following field data types as used in Databases

(i) Calculated **(2mks)**

(ii) Attachment **(2mks)**

d) Name two power related problems usually affects the running of a computer in a lab. **(2mks)**

e) i) What is a toggle key? **(1mk)**

ii) Give three examples of toggle keys **(3mks)**

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

COMPUTER STUDIES

451/2 (PRACTICAL)
PAPER 2
TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

a) *Write your name and Index number at the right hand corner of each print out.*

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

c) *Write the name and version of the software used for each question attempted in the answer sheet*

d) *Answer all the questions*

e) *Passwords should not be used while saving in the CD provided.*

f) *All answers must be saved in your CD provided.*

g) *Arrange your printouts and staple them together*

h) *Hand in all the printouts and the CD used*

For Marking Schemes Contact 0746 222 000 / 0742 999 000

QUESTION ONE (50 MARKS)

1. a) Using a word processor program, create the document below and save it as **CreateTables**. **[25marks]**

CREATING TABLES

A table is made up of rows and columns of cells. It is used to organize and present information. Most word processor let the user easily create, edit and format a table.

To create a table:

1. Click where you want to insert the table.
2. From the **Table** menu, point to **Insert** and then click **Table**.
3. In the Insert table dialog box, set the number of rows and columns.
4. Specify the autoformat option if need be.

It is possible to calculate numerical values in a table. The columns are referenced as A, B, C, …..while rows are referenced as 1, 2, 3.

BROUKESHIRE DAIRIES LTD					
JANUARY 2007 PAYROLL					
Employee No.	**Name**	**Salary (Ksh)**	**Medical Allow.**	**Travel Allow.**	**Gross pay**
11801	James Meli	44000	8900	2000	
11802	Joan Kaparo	38000	8000	1800	
11803	Peter Kamande	59000	5000	1600	
11804	Hassan Noor	14000	3000	1000	
11805	Nancy Atieno	18000	4000	1200	
11806	Patrick Kimeu	34000	1800	1700	
11807	Job Omingo	16000	3500	1100	

b) i) Format the document title to Tahoma font 16pts, underline, bold and center aligned. **[2mks]**

ii) Make the table and subtitle centered across columns, 16pts and 14pts respectively. **[2mks]**

c) Using appropriate functions:

i) Calculate each employee's gross pay. **[5mks]**

ii) Calculate each column total. **[3mks]**

iii) Determine the minimum pay in each category. **[3mks]**

d) Using Microsoft Graph object, generate a bar graph with the students' names against the Gross pay. **[10mks]**

e) Save the document as ComputedPay.

f) Print CreateTables and CountedPay.

For Marking Schemes Contact 0746 222 000 / 0742 999 000

QUESTION TWO (50 MARKS)

a) Create a database called Students to store the following data. **(19mrks)**

STUDENT_TBL1

ADMNO	FIRSTNAME	SURNAME	DATEADMITTED
064	EDNA	FLORIAN	12/03/2005
071	GATEWAY	DARAJA	06/03/2005
090	SISTER	ROSSY	05/02/2006
100	DORY	MORAA	06/03/2005
103	BERRY	ANNY	0302/2006
104	LILY	WHITE	04/02/2005
106	VIOLETINA	WAZIRI	10/02/2005
107	JAYLO	FLAMINI	11/02/2005
108	ARSENA	WENGER	12/02/2006
110	ALEX	HLEB	13/03/2006

STUDENT_MARKS

ADMNO	CAT1	CAT2	CAT3	CAT4
108	60	40	23	56
106	75	48	36	62
100	52	58	44	56
110	43	56	68	70
064	33	74	56	55
090	22	36	43	26
103	43	52	42	48
104	33	46	38	41
071	52	48	46	71
107	81	63	30	56

b) Identify the appropriate primary key and foreign for the tables above. **[1mk]**

c) Create a suitable relationship between the two tables. **[2mks]**

d) Create a new column with the fieldname "TOTAL SCORE" to store the calculated total of **CAT1, CAT2, CAT3** and **CAT4** for all students. Write down the expression used to find the total score in the correct syntax. Save the new table as StdTbl3. **[9mks]**

e) Create a query which will display **ADMNO, FIRSTNAME, SURNAME**, **CAT1, CAT2, CAT3, CAT4** and **TOTAL SCORE** for students who have a total score of 200 and above. Write down the criteria used in the correct syntax. Save the query as Stdquery. **[8mks]**

f) Create a tabular layout form using form wizard that will display the records from Stdquery. The fields to be displayed on the form should be **ADMNO, FIRSTNAME, SURNAME** and **TOTAL SCORE**. Save the form as Stdform. **[6mks]**

g) Print **STUDENT_TBL1, STUDENT_MARKS, StdTbl3, Stdquery and Stdform. [5mks]**

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

HOME SCIENCE

441/1 (THEORY)
PAPER 1
TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

- *Write your name and index number in the spaces provided above.*
- *Sign and write the date of examination in the spaces above.*
- *This paper consist of three sections: A,B and C.*
- *Answer all questions in section A and B and any two questions from section C in the spaces provided.*

FOR EXAMINER'S USE ONLY.

SECTION	QUESTION	MAXIMUM SCORE	CANDIDATE SCORE
A	1-25	40	
B	26	20	
C		40	
TOTALSCORE		100	

SECTION A (40MARKS)

Answer all questions in the spaces provided.

1. Mention any 2 causes for anemia **(2mks)**

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2. Give 2 reasons why it is important to fold in flour during mixture **preparation** **(2mks)**

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3. Name any 2 causes of skin problems during adolescents **(2mks)**

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4. Give any 2 reasons why it's not advisable to break a blister when it occurs **(2mks)**

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5. Give any 2 reasons for attending post-natal clinic for the mother **(2mks)**

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6. Mention any 2 ways of utilizing vegetable refuse **(2mks)**

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7. Mention any 2 functions of beverages in a meal **(2mks)**

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8. Mention any 2 ways of softening hard water for laundry **(2mks)**

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9. Give any 3 limitations of nylon for making babies clothes **(3mks)**

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10. List any 3 qualities of a well-made pocket

(3mks)……

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11. Give any 2 reasons for using floor coverings in a house **(2mks)**

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12. Menion any 3 advantages of man-made fibres **(3mks)**

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13. State any 3 points to consider when buying a pair of shoes **(3mks)**

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14. State any 3 measures to prevent bed sores on a bed ridden patient **(3mks)**

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15. Give any 2 reasons why button shanks are important in a garment **(2mks)**

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16. State any 2 dangers of heavy smoking during pregnancy **(2mks)**

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17. Mention any 3 functions of salt in laundry work **(3mks)**

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18. State any 3 functions of an opening on a garment **(3mks)**

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SECTION B

19. You are visiting your grandmother

a. Give the procedure of how you would thoroughly clean her hurricane lamp **(10mks)**

b. How would you dry clean her silk scarf **(10mks)**

SECTION C

Answer any 2 questions in this section (40mks)

20.

a. State and explain any 4 problems of bottle feeding in the third world countries **(8mks)**

b. State & explain any 3 factors to consider when planning a colour scheme for a room **(6mks)**

c. Giving 3 reasons explain why the buffet type of meal service is suitable for a large number of guests **(6mks)**

21.

a. State and explain any 4 factors that influence the style of a garment **(8mks)**

b. State & explain any 3 qualities of a good tape measure **(6mks)**

c. State and explain any 3 points to look for when choosing a toy for a child **(6mks)**

22.

a. State and explain any 4 factors that may interfere with a well made budget **(8mks)**

b. State & explain any 3 advantages of proper ventilation in a house **(6mks)**

c. Explain any 3 factors to consider when selecting an electric iron box **(6mks)**

For Marking Schemes Contact 0746 222 000 / 0742 999 000

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

HOME SCIENCE

441/2

PAPER 2

TIME: 2½ HOURS

SCHOOL…… SIGN……

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

CONFIDENTIAL

HOMESCIENCE 441/2 (PRACTICAL)

CLOTHING CONSTRUCTION

HOME SCIENCE 441/2

PAPER 2

Provide the following to the candidates

1. Plain weight cotton table 70cm by 90cm wide.

2. Sewing thread to match the fabric.

3. Cotton lace one inch wide by 25cm long.

CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

HOME SCIENCE

441/2

PAPER 2

TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

441/2

HOMESCIENCE

PAPER 2

CLOTHING CONSTRUCTION

TIME: 2 ½ HRS

Kenya Certificate of Secondary Education (KCSE)

INSTRUCTIONS TO CANDIDATES

1. The paper consists of three pages
2. Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.
3. Candidates must use the machine stitches appropriately in the construction of the garment
4. Hand stitches used instead of machine stitches will not be marked
5. .Hand stitches will only be allowed for hemming and tacking stitches as required.

A pattern of a child's dress is provided. You are advised to study the stretches, the question paper and

the layout before the test.

Materials provided

1. Pattern pieces
   a) Dress front
   b) Dress back
   c) Sleeve
   d) Front neck facing
   e) Back neck facing
2. Plain light weight cotton fabric 70cm by 90cm
3 Sewing thread to match the fabric
4. Cotton lace one inch wide by 25cm long

The test

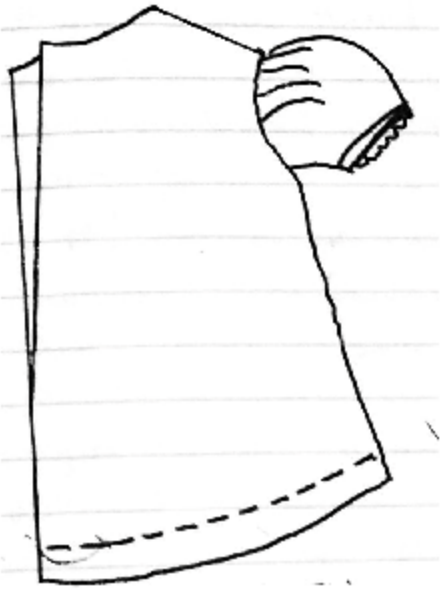
a) Making of the French seam at the shoulder
b) Joining of the side with a neatened plain seam. Neaten with overcasting stitches
c) Joining of the under arm seam using an open seam
d) The attaching of the lace on a lower edge of the sleeve using an overlaid seam

NB: Do not neaten or trim

e) The preparation and the attachment of the sleeve neaten with loop stitches
f) The preparation and attachment of the neck facings
g) Management of the dress hem (machine made)

At the end of the examination, firmly sew on your work on a single fabric a label bearing your name, class, and school and admission number. Remove needles and pins from your work, then fold your work carefully and present it for marking.

For Marking Schemes Contact 0746 222 000 / 0742 999 000

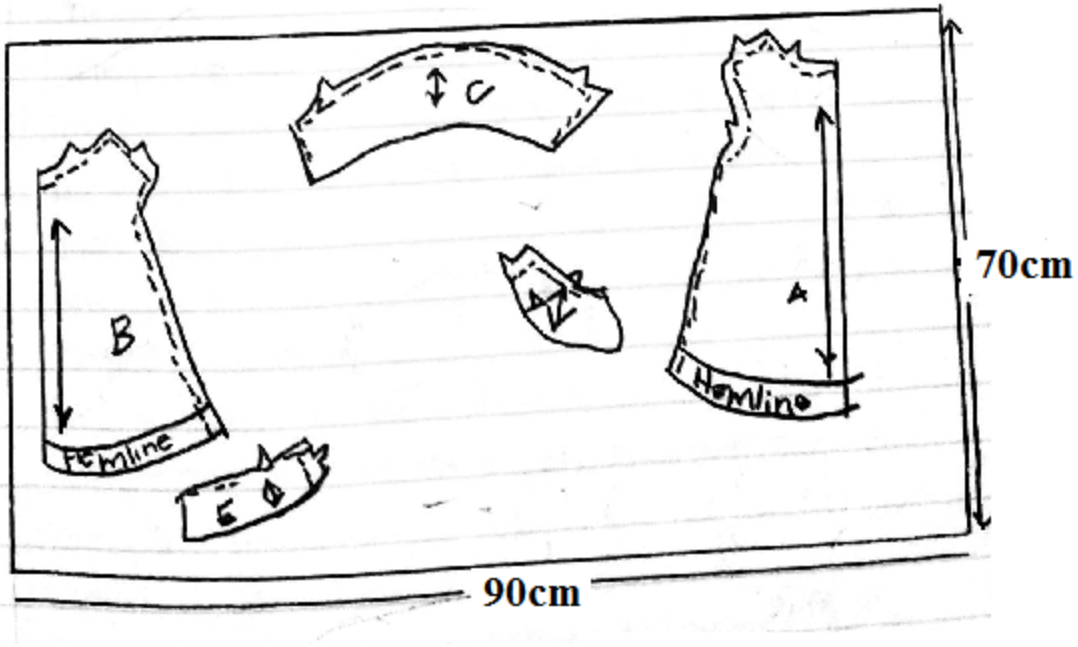


BACK VIEW



FRONT VIEW

LAYOUT NOT DRAWN TO SCALE



CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

HOME SCIENCE

441/3

PAPER 3

TIME: 1¾ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

441/3

HOME SCIENCE (FOOD AND NUTRITION)

PAPER 3

PRACTICAL

1 ¾ HOURS

Planning Session **30 minutes**

Practical session **1 ¼ hours**

(a) Read the test carefully.

(b) Write your name and admission number of every sheet of paper used.

(c) Text books and recipes may be used during the planning session as reference materials

(d) You will be expected to keep to your order of work during the practical session.

(e) You are not allowed to bring additional notes to the practical session.

THE TEST

You have been contracted by a catering firm to provide lunch for manual workers at a construction site. Using the ingredients listed below:

(i) Prepare, cook and present a one course meal for two manual workers

(ii) Prepare and present a nutritious drink for two manual workers

Ingredients:

- Maize flour/green bananas/rice
- Beef/chicken/green peas
- Tomatoes
- Carrots
- Onions
- Fat/oil
- Salt
- Margarine
- Sugar
- Fruits in season.
- Spices of choice

PLANNING SESSION – 30 minutes

For each task listed below, use separate sheet of paper and make duplicate copies using carbon paper

Proceed as follows:

1. Identify the dishes and write the recipes;
2. Write your order of work;
3. Make a list of foodstuffs and equipment you will require.

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CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

ISLAMIC RELIGIOUS EDUCATION

314/1

PAPER 1

TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

1. *Write your name and index number in the spaces provided above.*
2. *This paper consists of **SIX** questions.*
3. *Answer any **FIVE** questions.*
4. *This paper consists of 2 printed pages.*
5. *Candidates should answer all the questions in English.*

FOR EXAMINER'S USE ONLY.

Marks	**1**	**2**	**3**	**4**	**5**	**6**
Total						

Answer Five Questions ONLY

1. (a) State the teachings a Muslim can learn from surah Nasir (Q:110) **(5 mks)**

(b) Explain the circumstances that led to the revelation of Surah An Nur (Q.24**). (5 mks)**

(c) Give reasons why the nature of the Quran changed from short to long verses when it was revealed in Madina **(10 mks)**

2. (a) State the teachings of Ayatul Qursi on the attributes of Allah. **(5 mks)**

(b) Explain five problems in translating the Quran into other languages. **(5 mks)**

(c) Describe the language of Quran. **(10 mks)**

3. (a) Name the main shia collections of Hadith. **(4 mks)**

(b) Explain the methods used by Imam Bukhari in collecting and compiling Hadit**h. (6 mks)**

(c) Discuss the effect of anger. **(10 mks)**

4. (a) Outline four differences between Sharia and fiqh. **(4 mks)**

(b) Discuss the contribution made by Imam Abu Hanifah to Islam. **(8 mks)**

(c) Describe the benefit of Tawba. **(8 mks)**

5. (a) Describe the undesirable act s in prayers. **(5 mks)**

(b) State the difference between Zakatul Mal and Zakatul fitr. **(5 mks)**

(c) Discuss how Hajj helps a Muslim to advance spiritually. **(10 mks**

6. (a) Outline the qualities of an Imam according to the shia belief. **(5 mks)**

(b) Discuss the significance of believing in Qadar (predestination). **(7 mks)**

(c) State the characteristics of the revealed scriptures. **(8 mks)**

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CHAMPIONS JET KCSE PREMOCK

JOINT SERIES - 2025

ISLAMIC RELIGIOUS EDUCATION

314/2

PAPER 2

TIME: 2½ HOURS

NAME……

SCHOOL…… SIGN……

INDEX NO…… ADM NO……

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

INSTRUCTIONS TO CANDIDATES

1. *Write your name and index number in the spaces provided above.*
2. *This paper consists of **SIX** questions.*
3. *Answer any **FIVE** questions.*
4. *This paper consists of 2 printed pages.*
5. *Candidates should answer all the questions in English.*

FOR EXAMINER'S USE ONLY.

Marks	**1**	**2**	**3**	**4**	**5**	**6**
Total						

Answer Five Questions ONLY

1. (a) Identify any five activities that would lead to Muunkarat. **(5 mks)**

(b) Explain the basic beliefs on which Islamic morality is based. **(8 mks)**

(c) State seven main objectives of practicing Husunul khulug. **(7 mks)**

2. (a) State five types of sexual perversion according to Islam. **(5 mks)**

(b) Identify the identities a muslim should retain in a changing society. **(5 mks)**

(c) Discuss the measures put forward by Islam to curb the spread of HIV/AIDS**.** **(10 mks)**

3. (a) Discuss reasons why the family is considered the bedrock of Islamic society.**(8 mks)**

(b) Outline six duties of a husband in a Muslim family. **(6 mks)**

(c) Highlight the position of a woman in Islam. **(6 mks)**

4. (a) Give eight factors that may invalidate an Islamic contract. **(8 mks)**

(b) Discuss ways of eliminating corruption in the society. **(12 mks)**

5. (a) State the significance of the two covenants of Al-Agaba entered between the prophet (P.B.U.H) and Madinans. **(5 mks)**

(b) Explain any five events that led to the formation of the khawarij movement. **(10 mks)**

(c) Describe the factors that influenced the spread of Islam in North Eastern Kenya**. (5 mks)**

6. (a) Discuss the contribution of Sheikh Abdallah Al-Farsy to education in East Africa**. (10 mks)**

(b) Discuss the views of Ibn Khaldun on eduction. **(10 mks)**

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THE END

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- ✓ SETBOOKS VIDEOS
- ✓ TERMLY EXAMS
- ✓ QUICK REVISION KITS
- ✓ KCSE TOPICALS
- ✓ KCSE PREMOCKS
- ✓ TOP SCHOOLS PREMOCKS
- ✓ JOINT PREMOCKS
- ✓ KCSE MOCKS
- ✓ TOP SCHOOLS MOCKS
- ✓ JOINT MOCKS
- ✓ KCSE POSTMOCKS
- ✓ TOP SCHOOLS PREDICTIONS
- ✓ KCSE PREDICTIONS
- ✓ KCSE REVEALED SETS

CALL/TEXT/WHATSAPP

0746 222 000

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