



GOLDEN ELITE EDUCATIONAL PUBLISHERS 0724351706



FORM 2 MID TERM EXAMS 2022

Name: Adm no.:

Class: Date:

School:

English Paper

Time: 2 ½ hours

FORM 2

English Paper COMBINED PAPER

INSTRUCTIONS TO CANDIDATES

- Write your name, admission number and school in the spaces provided at the top of the page.
- Write the date of the examination in the spaces provided above.
- Answer all the questions in the spaces provided.
- The paper consists of 9 printed pages.
- Students should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- Ensure your work is neat.

FOR EXAMINER'S USE ONLY

QUESTION	MAXIMUM SCORE	STUDENT'S SCORE
1. FUNCTIONAL WRITING	20	
2. CLOZE TEST	10	
3. COMPREHENSION	20	
4. ORAL SKILLS	20	
5. POETRY	10	
6. GRAMMAR	20	
TOTAL	100	

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Cloze test

Fill in each of the blank spaces in the passage below with the most appropriate word. (10mks)

That the boy child is under siege globally is a stark reality. The debate.....1 been more on how to restore the status of the boy without affecting.....2 gains made in uplifting the girl. There have been fears3 some quarters, especially among women movements,4 such a move would not only erode the gains5 also might actually reverse them.

.....6 is thus very encouraging that as Maendeleo ya Wanawake celebrates.....7 70^h anniversary, the plight of the boy child has caught their attention.

At their annual.....8 meeting this past week, the giant organization included in its agenda the.....9 to champion recovery of the waning fortunes of the male.....10

2. Comprehension

(20mks)

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

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

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

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

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

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

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

Questions

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

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

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(c) What does self-discipline mean to a student according to the passage? (2marks)
.....
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(d) How does absence of discipline lead to no law enforcement according to the passage? (3marks)
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(e) What **three** things does discipline restrict one from doing according to the passage? (3marks)
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(f) Give five reasons why discipline is important. (5mks)
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(g) Explain the meaning of the following expressions as used in the passage. (3marks)
i) Disruption
ii) Vital
iii) Roaming

3. Oral skills (20mks)
a. Provide another word with the same pronunciation as the words given below. (6 marks)

- (i) Further
- (ii) Story
- (iii) Flower
- (iv) Principle
- (v) No
- (vi) Hymn

b. Identify the silent letters in the following words.

(5 marks)

- (i) Plumber
- (ii) Guest
- (iii) Wrench
- (iv) Knot
- (v) Depot

c. Pick the odd one out in each set of words according to the underlined sound.(4marks)

- i) dumb climb umbrella
- ii) entrepreneur enter entourage
- iii) examination exemption excel
- iv) chase mechanic machine

.....

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.....

d. Identify the genre below.

(1 mark)

i. Four foolish fighters fought for food

.....

.....

ii. Give your own example of the genre above (2marks)

.....

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.....

.....

iii. State two functions of the genre (2marks)

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4. POETRY (10 marks)

Read the following poem and answer the questions that follow

The abandoned child by Amateshe K.

From the rotting pathway manger,
The abandoned child,
Gropes for the warmth,
In a homestead

With no *papa* to tend,
The seedling of manhood
No *mama* to sprinkle
The waters of affection

Only the dustbins

The squalid trenches
And the sneers;
Canopy of ice-cold darkness,
Usurping the sunshine of identity.

a. What is the poem about? (2 marks)

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

b. Identify and illustrate **two** poetic devices used in the poem? (4marks)

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

c. Describe the state of the abandoned child. (2 marks)

d. Explain the meaning of the following words. (2marks)

(i) Gropes

.....

(ii) Squalid

5. GRAMMAR (20 mks)

A) Correct the error in the following sentences (4 mks)

i) The unevenness of this road is likely to cause accidents

ii) That was the silyest thing to say in public

iii) He truely loves his wife

iv) september is the nineth month of the year.

B) Fill in the plural forms of the nouns in brackets. (3 mks)

- i) The artisan was asked to repair the broken _____ (furniture)
- ii) Countries have different _____ (coat of arms)
- iii) The neighbor keeps a flock of _____ (goose) in his compound

C) Fill in the gaps with the correct form of words in brackets. (4 mks)

- i) She has _____ her shawl (rip)
- ii) The tyre _____ as they drove downhill (burst)
- iii) The news today _____ shocking (be)
- iv) The government _____ released Free Primary funds to school (have)

D) What names are given to the following: (2 mks)

- i) The young one of a goat:
- ii) A collection of books:

E) Rewrite the following sentences in plural form. (2 mks)

- a) The public school is facing a financial crisis.
.....
- b) My brother-in-law owns a herd of cattle.
.....

F) Fill the blank spaces in the following sentences with the correct personal pronouns. (3mks)

- (i)is raining right now.
- (ii) will eat this food themselves.
- (iii)is a clever boy.

G) Use appropriate final punctuation marks in the following sentences. (2mks)

- (i) Which of these is yours
- (ii) The Nile is the longest river in Africa

NAME: -----ADM: ----- CLASS: -----

BUSINESS STUDIES

FORM 2

MAY 2022

TIME: 2 HOURS

MID TERM 1 2022 EXAMINATION

INSTRUCTIONS:

ANSWER ALL THE QUESTIONS IN THE SPACES PROVIDED

1. State four disciplines that make up business studies. (4mks)

- a) -----
- b) -----
- c) -----
- d) -----

2. Outline four ways in which a seller may reply to a letter of inquiry. (4mks)

- a) -----
- b) -----
- c) -----
- d) -----

3. State four characteristics of a good filing system. (4mks)

- a) -----
- b) -----
- c) -----
- d) -----

4. From the factors given below, state whether the factor constitute internal or external environment of a business. (4mks)

Factor	Environment
a) Social beliefs	
b) Owners	

c) Interest rates	
d) Business physical facilities	

5. Identify four sources of business ideas. (4mks)

- a) -----
- b) -----
- c) -----
- d) -----

6. Outline four characteristics of secondary wants. (4mks)

- a) -----
- b) -----
- c) -----
- d) -----

7. Outline four features of a supermarket. (4mks)

- a) -----
- b) -----
- c) -----
- d) -----

8. Outline four reasons that would make an entrepreneur to prepare a business plan. (4mks)

- a) -----
- b) -----
- c) -----
- d) -----

9. Highlight four characteristics of goods. (4mks)

- a) -----
- b) -----
- c) -----
- d) -----

10. Indicate the factors of production that each of the following refer to: (4mks)

- a) Waiter of the hotel -----
- b) Water harvested from the rain-----

c) The hotel manager-----

d) Cash register used by the cashier-----

11. Outline four benefits of a well laid out business structure. (4mks)

a) -----

b) -----

c) -----

d) -----

12. Outline four ways in which goods are prepared for sale. (4mks)

a) -----

b) -----

c) -----

d) -----

13. State four categories of economic resources. (4mks)

a) -----

b) -----

c) -----

d) -----

14. Highlight four characteristics of a successful entrepreneur. (4mks)

a) -----

b) -----

c) -----

d) -----

15. State four duties of a receptionist in an office. (4mks)

a) -----

b) -----

c) -----

d) -----

16. State four natural sources of energy in Kenya. (4mks)

a) -----

- b) -----
- c) -----
- d) -----

17. State four types of small-scale retail businesses that one can start without a shop. (4mks)

- a) -----
- b) -----
- c) -----
- d) -----

18. State the meaning of the following main types of business activities. (4mks)

- a) Trade -----
- b) Manufacturing-----
- c) Distribution of goods-----
- d) Processing of raw materials-----

19. Outline four features of indirect production. (4mks)

- a) -----
- b) -----
- c) -----
- d) -----

20. State four importance of entrepreneurship in Kenya. (4mks)

- a) -----
- b) -----
- c) -----
- d) -----

21. Explain five advantages of an open plan office. (10mks)

22. Explain five importance of trade. (10mks)

Name..... ADM NO.....

SIGN

Date.....

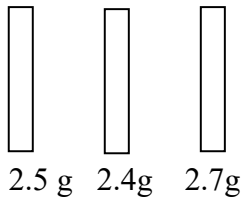
231
BIOLOGY
FORM 2
2½ Hours

MID TERM 2 – MAY 2022 EXAMINATION

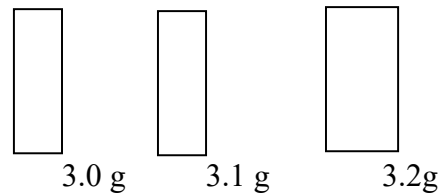
INSTRUCTIONS TO CANDIDATES

- Write your name and admission Number in the spaces provided above.
- Sign and write date of examination in the spaces provided above.
- Answer **ALL** questions in the spaces provided.
- All workings **must** be clearly shown where necessary.

1. Potato cylinders were weighed and kept in distilled water overnight. They were then reweighed.



At the beginning of the Experiment.

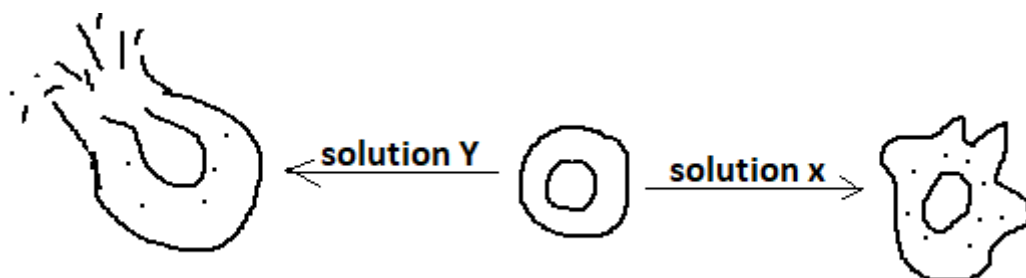


At the end of the experiment

a) Calculate the average mass of a potato cylinder after reweighing. Show your working. (3mks)

b) Explain why mass of the cylinders had increased. (2mks)

2. The diagram below shows the results obtained when red blood cells are placed in different solution:



(a) What name is given to the process that occurs when the cell is placed in solution Y? (1mks)

(b) Describe the process that would occur in a plant cell when placed in a similar solution as that of solution Y. (3mks)

3. State two differences between active transport and osmosis. (2mks)

Osmosis	Active transport

4. How does the visking tubing differ from a cell membrane? (2mks)

5. How would a flaccid cell turn turgid. (2mks)

6. An experiment was carried out to investigate the effect of different concentrations of sodium chloride on human red blood cells. Equal amounts of blood were added to equal volumes of the salt solution but of different concentrations. The results are shown in the table below:

Set -up	Sodium chloride concentration	Number of red blood cells	
		At start of experiment	At the end of the experiment
A	0.9%	Normal	No change in number
B	0.3%	Normal	Fewer in number

(a) Account for the results in the set-up Set up A (2mks)

Set up B (2mks)

(b) If the experiment was repeated using 1.4% sodium chloride solution, state the expected

results with reference to:

(i) The number of red blood cells. (1mk)

(ii) The appearance of red blood cells if viewed under the microscope. (1mk)

iii) Explain your answer in b (ii) above. (2mks)

7.(a) State the function of the following parts of a light microscope.

(i) mirror (1 mk)

(ii) Diaphragm (1 mk)

(iii) Eye piece (1 mk)

(b) State the function of

(i) Nucleolus (1 mk)

(ii) Centriole (1 mk)

(iii) Chloroplast (1 mk)

(c) Write down one characteristic displayed by plants but are absent in animal (1mk)

8. a) Define the following terms

i.) Cell (1mk)

ii.) Tissue (1mk)

iii) Organ. (1mk)

iv.) Name two organ systems in human being; (2mks)

9. During a biology practical lesson, the teacher provided students with the following apparatus:

- A pooter
- A scalpel
- Specimen bottle
- A pair of forceps
- Sweep net
- Chloroform

(a) Give any THREE precautions the biology teacher gave to students before the practical when collection of specimens begun. (3 marks)

(b). What was the use of the following?

i. Pooter (1 mark)

ii. Sweep net (1 mark)

iii. Chloroform. (1 mark)

(c). Other than observation, name other two scientific skills developed by studying biology. (2 marks)

10. State two aspects of light that affect the rate of photosynthesis. (2mks)

11. State the mode of nutrition in each of the following organisms (2mks)

(i) Ticks

(ii) Black jack

12.. (a) Define the term Taxonomy (1mk)

(b) Distinguish between Binomial nomenclature and classification. (2mks)

13 Name any two organisms that belong to the kingdom fungi (2mks)

14. Write down any 2 importances of classifying organisms. (2mks)

15(a) What is balanced diet in human nutrition? (1mk)

(b) State two functions of lipids in living organisms (2mks)

16. Briefly explain what happens to the following end products of photosynthesis in a plant. (3mks)

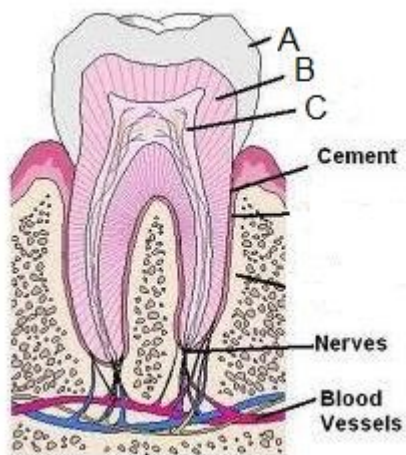
Glucose	(2mks)
Amino acids	(1mk)

17. Name two enzymes in the pancreatic juice and their role in digestion (4mks)

18. How is the cuticle and epidermis of a green leaf adapted to perform their function? (2mks)

19(a) A form 1 student intended to catch a bee and observe the body parts.
Name two instruments the student the student would use to catch it. (2mks)

(b) The diagram below represents a section of through a human tooth. Use it to answer the questions that follow.



- (i) Identify the type of tooth and then give one reason why. (2mks)
 Type of tooth
 Reason
- (ii) Give names of the parts labelled A,B and C. (3mks)
- (iii) State the function of the parts labelled nerve and blood vessel in a tooth (2mks)

20. What is the importance of photosynthesis in nature? (2mks)
21. Distinguish between ingestion and egestion (2mks)
22. Explain the role of the phloem in a leaf. (1mk)
- 23.(a) Explain adaptations of the ileum/small intestines to its function. (10mks)
- (b) Explain how the following affect the rate of photosynthesis.
- (i) Carbon (IV) oxide concentration (6mks)
- (ii) Temperature (4mks)

Name:.....Class:.....AdmNo:.....

Mid Term 1 Exam May 2022-Form 2

Computer Studies -Time: 2 Hours

1. Define the following terms. (5marks)

a. Computer

b. ICT

Computer laboratory

c. Data Interface cables

d. Peripheral devices

2. Differentiate between the following computer terms: (4marks)

a. Central processing unit and system unit

b. Data and information

3. Describe four main physical parts of a computer. (4marks)

4. a) Name and explain three different ways classifying computers. (6marks)

b) Name two categories of computers as classified in (a) above. (6marks)

a) What is the name of the machine developed by Charles Babbage? (1mark)

b) State six characteristics of the first generation of computers. (6marks)

c) With the aid of diagrams illustrate the difference between analog and digital data signal. (4marks)

5. Give five advantages and five disadvantages of using computer today. (10marks)

6. List and Explain five areas where ICT is applied in our society today. (5marks)

8. Before setting up a computer lab Shujaa School was advised to make several considerations to ensure they put up a favorable lab.
a) What are the four factors to be considered when preparing a computer lab? (4marks)

b) What measures should Shujaa school put in place to ensure the security of:
i) The computers in the lab. (5marks)

ii) The users of the lab.

(5marks)

a) Differentiate between cold booting and warm booting.

(4marks)

b) Outline the procedure for

i) Cold booting a computer

(3marks)

ii) Shutting down a computer.

(3marks)

c) Explain five categories of keys found on a standard keyboard.

(5marks)

9. State four factors to consider before purchasing a computer hardware or computer accessories. (4marks)

10. Give five resources that are managed and controlled by an operating system. (5marks)

11. List three types of files found in a computer system. (3marks)

12. List four factors to be considered when acquiring a printer. (4marks)

13. Describe each of the following computer cable. (4marks)
Parallel cable

Serial cable

14. Define the following terms: (4marks)
Disk compression

Disk formatting

NAME..... ADM NO.....

CLASS.....

FORM TWO

CHRISTIAN RELIGIOUS EDUCATION

MAY 2022

QUESTION PAPER

TIME: 2 HOURS

INSTRUCTIONS:

- *Answer ALL the questions*
- *All answers must be written in English*

1. Name six minor prophetic books in the Bible (6mks)
2. Give six reasons find it difficult to read the Bible (6mks)
3. Outline six teachings about human beings from biblical stories of creation (6mks)
4. Name five animals that Abraham sacrificed (5mks)
5. Describe the making of covenant between God and Abraham (7mks)
6. List six reasons why Moses was reluctant to go back to Egypt (6mks)
7. Give six reasons why Exodus was important to Israelites (6mks)
8. State seven aspects of worship by Israelites in the wilderness (7mks)
9. Outline reasons why Samuel was against kingship in Israel. (6mks)
10. Give six failures of king Saul.(6mks)
11. Highlight seven functions of Jerusalem Temple (7mks)
12. Give seven characteristic of the local Canaanite religion. (7mks)
13. State six lessons leant about God from the nature of Mt. camel contest.(6mks)
14. Describe the African hierarchy of beings. (7mks)
15. Give reasons why children are important in the Traditional African society. (6mks)
16. Mention six roles of rainmakers in African Traditional Society.(6mks)

501 French

Form 2 MID TERM Exam 2022

Answer all the questions in French

Section I Grammar

I Answer the questions on time below 10mks

Ex, Quelle heure est-il ?

2h25- il est deux heures vingt cinq

1. 8h45
2. 3h00
3. 16h35
4. 00h30
5. 10h15

II Transform the following sentences into questions using the inversion method 10mks

Ex: Tu parles français

Parles-tu français ?

1. Nous parlons Kinyarwanda au Burundi
2. Vous cherchez les clés madame
3. Il travaille chez safaricom limited
4. Tu vas très bien
5. Cette fille est actrice

III write the nationality of the following people in French

5mks

1. Yoweri Museveni est _____
2. Thambo Mbeki est _____
3. Joe Biden est _____
4. Suluhu hassan est _____
5. Kalonzo Musyoka est _____

IV Write in plural 5mks

1. C'est l'auto _____
2. C'est ma fille _____
3. C'est un pantalon _____

4. C'est une voiture ____
5. C'est son garçon ____

V Do the following calculations in french 10mks

1. $100/2=$
2. $500+500=$
3. $100-1=$
4. $75/3=$
5. $4 \times 4=$

VI Fill in the spaces with the correct prepositions (en, a la, aux, a l', au) 10mks

1. Monsieur le président va _____ garage Toyota
2. La famille maridadi habite _____ Mombasa
3. Nous allons _____ zanzibar
4. Je vais _____ piscine
5. Papa travaille _____ banque
6. Les athlètes sont _____ hôtel
7. Les touristes vont _____ aéroport
8. Les étudiants vont _____ bureau du directeur
9. Mes amis vont _____ ville
10. Monsieur, je vais _____ toilettes s'il vous plait.

VII Match the questions with responses 6mks

Questions

1. Je m'appelle Antoine et toi ?
2. Est-ce que Kamau est là ?
3. Mwangi est tanzanien ?
4. Ils parlent anglais ?
5. Qui est-ce ?
6. Vous habitez à Nairobi ?

Réponses

- a) Non, j'habite à Kisumu
- b) Non, ils parlent français
- c) Moi, Je m'appelle Wanjiku
- d) C'est un ami burkinabè
- e) Oui, il est la
- f) Non, il est burundais

1	2	3	4	5	6

VIII Fill in the blank spaces with the correct word

4mks

1. Madame Odiri _____ à l'aéroport international. Elle _____ hôtesse de l'air. Elle _____ français et kiswahili.
2. Moi je _____ architecte, j' _____ à Mombasa
3. Nous _____ élèves de la classe 1z. nous _____ beaucoup et nous _____ peu français.

IX Rewrite the sentences using the correct form of the verb. 10mks

Ex ; Je (habiter) à Kinshasa au Congo

J'habite à Kinshasa au Congo

1. Vous (manger) un gâteau délicieux
2. Ils (s'appeler) fatuma et david
3. Jean (avoir) quatorze ans
4. Tu (aller) en France pour deux jours
5. J'(être) directeur a la compagnie toyota
6. Le professeur de chimie (sortir) de la classe
7. Nous (partir) pour Mombasa le soir
8. Clara (venir) de dakar au Sénégal
9. Je (aimer) regarder la télévision
10. L'étudiant (finir) son travail en retard

X Write the correct answer 5mks

1. Le fils de votre sœur est _____
2. La sœur de votre père est votre _____
3. Le père de votre mère est votre _____
4. La fille de vos parents est votre _____
5. Le frère de votre père est votre _____
6. Le bébé de votre enfant est _____

XI Write the sentences below in the negative form of the verb 'avoir' 5mks

1. J'ai une nouvelle radio
2. Vous avez une belle robe madame
3. Il a des cassettes de musique
4. Nous avons des livres de français
5. Il y a un film intéressant

Section II Dictation 5mks

Section III Compréhension

Read the passage below and answer the questions

La ferme

La ferme de monsieur Shindo est grande. Il y a beaucoup de choses là-bas. Il y a des animaux domestiques comme des moutons, des vaches, des cochons, des chèvres, des poulets, des lapins et des dindes. Des poulets et des dindes sont dans le poulailler. A cote de il y a une étable. Dans cette etable, il y a des vaches, des moutons, et des chèvres. Pas loin de l'étable, il y a une ferme. Dans une ferme, on plante du maïs, des haricots et des légumes.

Monsieur Shindo a des employés qui travaillent toujours dans la ferme. Il est tres riche.

Question

1. C'est la ferme de _____ 1mk
2. Quelles plantes sont cultivées dans cette ferme? 2mks
3. Quels animaux se trouvent dans cette ferme? 2mks
4. Où est l'étable? 1mk
5. Est-ce que la ferme du maïs est loin de l'étable? 1mk

Section IV Composition writing

Write a composition on either

Ma famille

Or

Mon école 10mks

NAMEADMCLASS.....

**MID TERM EVALUATION TEST
FORM TWO
GEOGRAPHY
TERM 1 2022
HOURS**

TIME: 2

Answer all the questions in the spaces provided

1. Define the following terms;

(i) Geography – **(2mks)**

.....
.....

(ii) Environment – **(2mks)**

.....
.....

2. Identify four reasons for studying Geography. **(4mks)**

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3. Explain the relationship between Geography and the following disciplines.

(i) Economics; **(2mks)**

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.....

(ii) Medicine; **(2mks)**

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.....
.....

4. Explain the origin of the earth and the solar system using the passing star theory. **(5mks)**

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5. (i) Give **three** reasons why the Earth's interior is hot. **(3mks)**

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.....
.....

(iii) Name **two** types of movements of the earth. **(2mks)**

.....

6. (i) State **four** proofs that the earth is Spherical. **(4mks)**

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

(ii) What is the effect of International Date Line on time? **(2mks)**

.....
.....

7. The table below represents rainfall and temperature figures for station in Africa. Use it to answer the following questions.

Month:	JA	FE	MA	AP	MA	JU	JU	AU	SE	OC	NO	DE
	N	B	R	R	Y	N	L	G	P	T	V	C
Temp ⁰ C:	27	28	28	28	27	25	25	24	25	26	27	26
Rainfall:(mm):	25	38	99	140	27 7	439	277	69	142	201	71	25

(a) Calculate annual range of temperature for the town. **(2mks)**

(b) Calculate the total annual rainfall for the town. **(2mks)**

8. State any **three** conditions necessary for the formation of dew. **(3mks)**

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9. Name **three** instruments found in a Stevenson screen. **(3mks)**

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10. a) State **four** necessary conditions considered when siting a weather station. **(4mks)**

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b) State **three** importance of weather forecasting. **(3mks)**

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11. List **six** factors that influence weather of a place. **(6mks)**

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12. Give **two** types of statistical data. **(2mks)**

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13. The table below shows coffee production in Kenya from 1970 to 1975 in 000's tones.

Year:	1970	1971	1972	1973	1974	1975
Tonnage in 000's:	19	20	28	11	17	15

(a) Draw a simple bar graph to represent the above data.(Use the graph paper provided)
(9mks)

(b) State **three** advantages of simple bar graph. **(3mks)**

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14. Identify **three** types of scale. **(3mks)**

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15. Identify **six** basic marginal information found on a map. **(6mks)**

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16. a) Define field work in geography **(2mks)**

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b) State **two** importance of a work schedule? **(2mks)**

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17. (a) State **four** characteristics of Minerals. **(4mks)**

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b) Name **two** major types of rocks apart from sedimentary. **(2mks)**

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c) i) State **three** ways in which sedimentary rocks are formed. **(3mks)**

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ii) State three characteristics of sedimentary rocks. (3mks)

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d) State **three** significance of rocks. (3mks)

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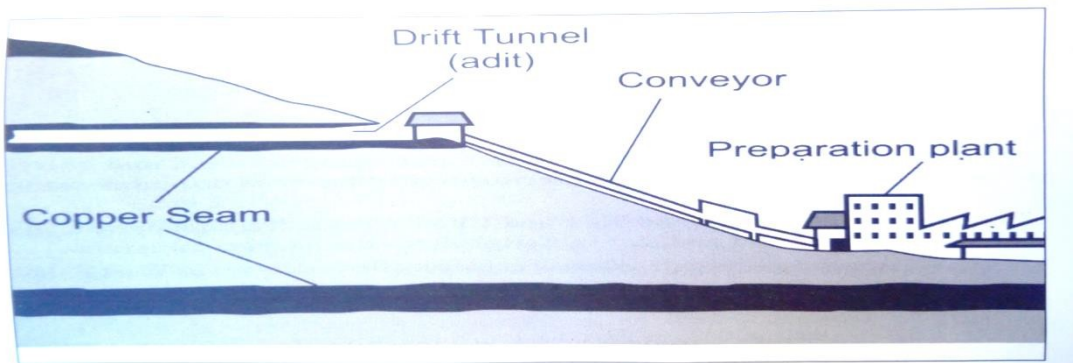
18. (i) Define mining. (2mks)

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(ii) State **four** formations in which Minerals occur. (4mks)

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(iii) Identify method of mining shown below. (1mk)



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NAME _____ ADM NO _____ CLASS _____

HISTORY AND GOVERNMENT

FORM 2

MID OF TERM ONE – MAY 2022

TIME: 2 ½ HOURS

Instructions to examinees

- This paper consists of three sections; **A, B and C.**
- Answer **all** the questions in all the sections
- This paper consists of **seven** printed pages. Examinees should check the question paper to **ascertain** that all the pages are **printed** as indicated and that no questions are missing.
- The examinee should answer the questions in **English**

SECTION A: (25 Marks)

1. Name **two** careers one can pursue after studying History and Government. (2 marks)

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.....

2. Name the arm of government of Kenya that interprets law. (1 mark)

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3. Identify **one** type of monarchical government. (1mark)

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4. Give **two** shortcomings of oral traditions as a source of History and Government. (2 marks)

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5. Who discovered the Evolution theory on the origin of man? (1 mark)

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.....

6. What was the name given to the tools made by early man in the first phase of the Old Stone Age Period? (1mark)

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.....

7. Give the **main** development which was made by Homo erectus that improved his way of life.
(1 mark)

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.....

8. Give **two** negative effects of the land enclosure system in Britain during the 18th C.
(2marks)

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.....

9. Name **one** method of irrigation used in the development of early agriculture in Egypt.
(1mark)

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.....

10. State **two** ways in which Abagusii and Kipsigis interacted during the pre-colonial period.
(2 marks)

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11. Name the community in Kenya that belongs to the Southern Cushites. (1 mark)

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12. State **two** duties of the Orkoiyot among the Nandi. (2marks)

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13. Identify **one** community in Kenya which had a centralized system of government in pre-colonial Kenya. (1mark)

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14. Identify **two** early visitors who came to the East African coast in the 16th century. (2marks)

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15. Identify **two** main items of trade from the interior of Kenya during the long distance trade. (2marks)

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16. Identify **two** ways of becoming a Kenyan citizen. **(2marks)**

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17. Identify **one** public holiday that is celebrated in Kenya. **(1mark)**

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SECTION B (45 Marks)

18. a) Name **three** species of Homo Sapiens. **(3 marks)**

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b) Describes **six** ways in which the discovery of fire by early man improved his way of life. **(12 marks)**

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19. a) Identify **five** economic activities of the Somali during the pre-colonial period. **(5marks)**

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b) Describe the political organization of the **Akamba** during the pre-colonial period.
(10marks)

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20. a) Identify **three** factors that enabled the early visitors to come to the East African coast before 1500 A.D.
(3 marks)

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b) Explain **six** effects of the Indian Ocean Trade on the East African Coast inhabitants before 1500 AD.
(12 marks)

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SECTION C (30 Marks)

21. a) State **five** limitations of the right to life. **(5marks)**

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b) Explain **five** responsibilities of a Kenyan citizen. **(10marks)**

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22. a) Give **three** symbols of national Unity in Kenya. **(3marks)**

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b) Explain **six** factors which promote National Unity in Kenya. **(12marks)**

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NAME _____ CLASS _____ ADM _____

**MID TERM 1
FORM 2 2022
HOMESCIENCE**

**MID TERM 1 EXAMINATION
FORM TWO**

INSTRUCTIONS

ANSWER ALL THE QUESTIONS IN THE SPACES PROVIDED.

1. State any 2 functions of the skin. 2mks

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.....

2. Mention the 2 problems of teeth which occur when they are not cared for properly. 2mks

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3. Give any 3 diseases that one can get by sharing personal items. 3mks

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4. Give any 2 aims of first aids. 2mks

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5. Mention any 3 signs and symptoms of insect stings and bites. 3mks

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6. Mention any 3 methods of providing family with shelter. 3mks

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7. Give 2 reasons why stainless steel is the best metal for making spoons. 2mks

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8. List any 2 methods of steaming food. 2mks

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9. Define the following terms in cookery. 3mks
Simmering

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Frying

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.....
Basting

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.....
10. Give 2 disadvantages of clothes that produce static electricity. 2mks

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.....
11. State 3 qualities of a good tape measure. 3mks

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.....
12. Give 3 qualities of a well made backstitch. 3mks

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.....
13. List any 3 basic cleaning materials 3mks

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14. Give 2 reasons why saucepans should have a thick base. 2mks

15. Outline any 3 rules that promote kitchen hygiene

3mks

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16. Mention any desirable properties of wool

2mks

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17a. Describe the procedure of cleaning a tooth brush

6mks

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b. Outline the procedure of cleaning dirty water glass

4mks

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c. Outline the procedures of laundering a fast coloured cotton handkerchief used by a Person suffering from a common cold.

10mks

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18. Mention the 3 groups / categories of permanent stitches and give 2 examples of each . 6mks

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19.State any 5 factors to consider when choosing an ironing board.

5mks

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20. Give any 4 advantages of roasting food.

4mks

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21. State and explain the 5 causes of food spoilage.

5mks

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22. State and explain any 4 points to consider when buying kitchen equipments.

6mks

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23. State and explain any 3 basic instructions on the use of medicine

6mks.

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

PHYSICS

FORM 2

MAY 2022

TIME: 2 HOURS

MID TERM 1 2022 EXAM

INSTRUCTIONS TO CANDIDATES

- a) Write your name and admission number in the spaces provided above.
- b) This paper consists of TWO sections: A and B
- c) Answer All questions in section A and B in the space provided.
- d) Show all the steps in your calculations, giving your answers at each stage in the spaces below each question.

Where necessary take:

- *Earth's gravitational intensity=10N/kg*
- *Density of water= 1000kg/m³*

SECTION 1 (40 MKS)

Answer all the questions

- 1) (i) Define length (1mk)
.....
.....
- (ii) State the most appropriate measuring instrument you would use to carry out each of the following measurements.
- (a). Length of football field. (1mk)
- (b). Relative density of a liquid. (1mk)
- 2) (i) What is a basic quantity? (1mk)
.....
.....
- (ii) State two examples of a basic quantity and their SI units. (2mks)
.....
.....
- 3) A plot of land is represented on a map by an area of 48.5cm^2 . If the scale on the map is 1:5000, determine the actual area of the land in square meters.
.....
.....
.....
- 4) When a narrow glass tube is dipped in a beaker containing water, the water rises up the tube.
- a) What is the name given to this effect? (1mk)
.....
- b) Explain the observation (1mk)
.....
- 5) State the two factors affecting the surface tension of a liquid. (2mks)
.....
.....
- 6) The atmospheric pressure at a place was measured as 740mm of mercury. Calculate the pressure at the place in Pascals. (density of mercury is 13.6g/cm^3) (3mks)
.....
.....
- 7) Explain how a drinking straw works when used to drink a liquid.
.....
.....
..... (2mks)

8) State the kinetic theory of matter.

.....
..... (1mk)

9) a)

In the smoke cell experiment, the bright specks (smoke particles) are observed to be in a continuous random motion. Explain the cause of the motion.

.....
..... (1mk)

(b) State and explain the effect on the motion of the particles when the temperature of the smoke cell is increased

.....
.....(2mks)

10) (i) What is diffusion?

.....
..... (1mk)

(ii) State two factors affecting the rate of diffusion of a gas (2mk)

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.....

11) State any three differences between mass and weight.

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.....
.....(3mks)

12) An object has a mass of 120g. what is the weight of the object at the moon surface? (gravitational intensity of the moon is a third that of the earth)

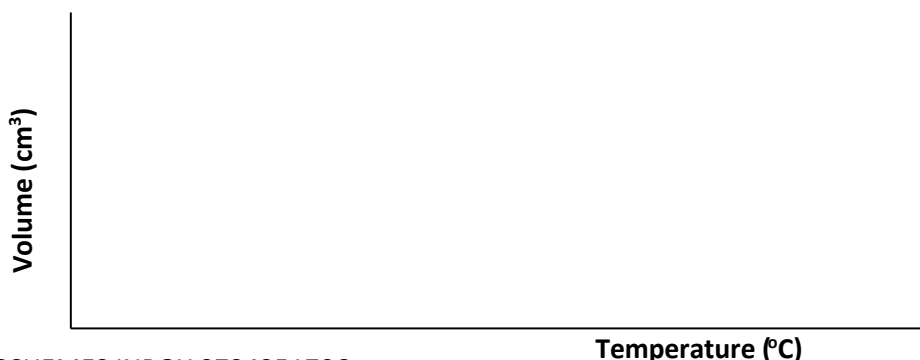
.....
..... (2mks)

13) The water level in a burette is 40.6cm³. 50 drops of water each of volume 0.2cm³ are added to the water in the burette. What is the final reading of the burette?

.....
..... (3mks)

14) On the axis provided, sketch a graph of volume against temperature of water from 0° to 20°C.

(2mks)



15) It is easier to detect a bad smell from a gaseous substance than a solid substance. Explain

.....

(1mk)

SECTION B (60 MARKS)

16. a) State three uses of electroscope (3mks)

.....

b) Fill in the table of charges appropriately (3mks)

Charge on Electroscope	Charge on a rod brought near cap	Effects on leaf divergence
+	+	
-	+	
+ or -	Uncharged body	

c) What is the name given to the method of charging an electroscope where it acquires an opposite charge to the one of the charging materials? (1mk)

.....

d) A plastic comb is rubbed with a duster. Small pieces of paper stick to the comb as it gains a charge.

(i) Suggest why the small pieces of paper stick to the charged comb. (1mk)

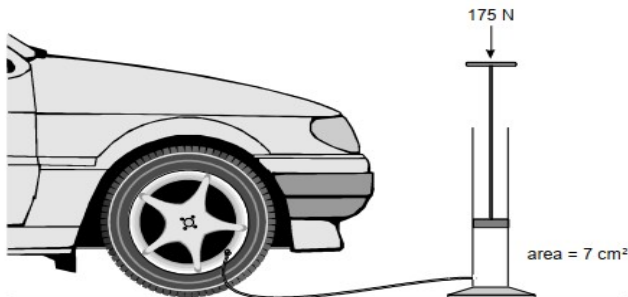
.....

(ii) Small pieces of paper will **not** stick to a hand held metal comb rubbed by a duster. Why not?

(1mk)

.....

17. a) Karen wants to pump up her car tyre. Her pump has a piston with an area of 7 cm^2 .



Karen pushes the handle down with a force of 175 N.

(a) What pressure does she exert on the air in the pump? (3mks)

.....

.....
(b) What pressure would be exerted in the tyre by the pump (1mk)

.....
(c) One of the Karen's car tyres exerts a pressure of 25 N/cm^2 on the road. The area of the tyre in contact with the road is 95 cm^2 . What is the force exerted by four tyres on the road? (3mks)

.....
d) State three properties of hydraulic brake fluids. (3mks)

.....
18. Define the term temperature and state its SI units (2mks)

.....
(b) Convert each of the following from Kelvin to degree Celcius (2mks)

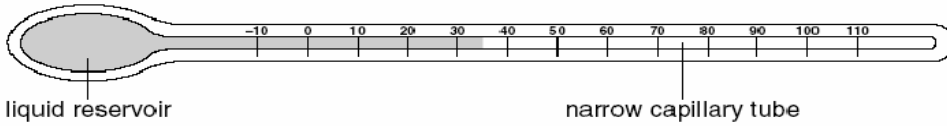
(i) 0 K

(ii) 167 K

(c) State the two special features of a clinical thermometer (2 mks)

.....
(d) Give a reason why a clinical thermometer should never be sterilized using boiling water (1mk)

.....
19. (a) The figure below shows a liquid-in-glass thermometer.



(i) Name a suitable liquid to use in the thermometer. 1mk

.....

(ii) State the reading on the thermometer. °C 1mk

(iii) Explain why a narrow capillary tube is used. 1mks

.....

(b) The thermometer bulb is put in melting ice.

(i) Explain why the liquid drops in the capillary tube. 1mk

.....

(ii) Mark on the diagram the new position of the liquid. 1mk

.....

c) Logs of wood are burning in a camp-fire on the ground. A person is sitting nearby.



(i) State the main method of heat transfer by which energy from the fire reaches the person sitting nearby. (1mk)

.....

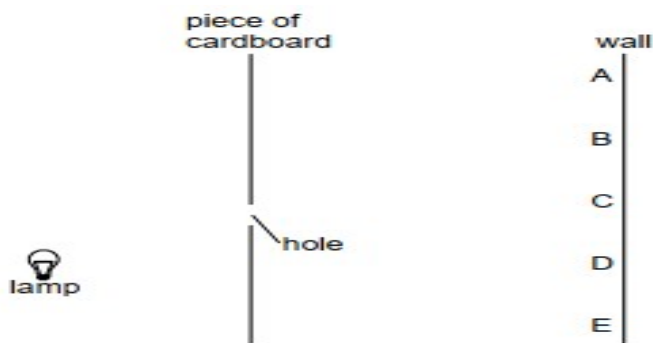
ii) A spark jumps out of the fire. The spark lands on the person's hand. State which method of heat transfer causes the person to feel the spark. 1mk

.....

20. a) State the property of light associated with formation of shadows. (1mk)

b)

The diagram shows a lamp and a piece of cardboard. The piece of cardboard has a hole in it. Light from the lamp passes through the hole and forms a bright spot on a wall.



c) (i) Which point on the wall, A B, C, D or E, is lit up by the lamp? 1 mark

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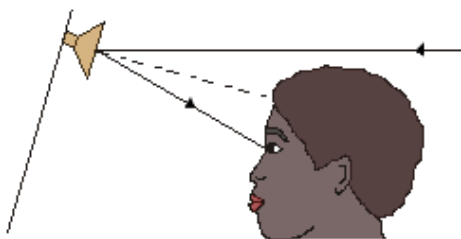
(ii) Explain why the **other** points on the wall are **not** lit up by the lamp. 1mk

.....

d) A piece of clear green plastic is placed over the hole. What is the colour of the light which shines on the wall? 1mk

.....

e) The diagram shows a motorist looking into her plane driving mirror.



(i) Mark on the diagram: the letter 'I' to show the incident ray and the letter 'r' to show the angle of reflection. (2 marks)

(ii) Name the dashed line shown in the diagram. (1 mark)

.....

e) An object of height 5 m is placed 10 m away from a pinhole camera.

Calculate:

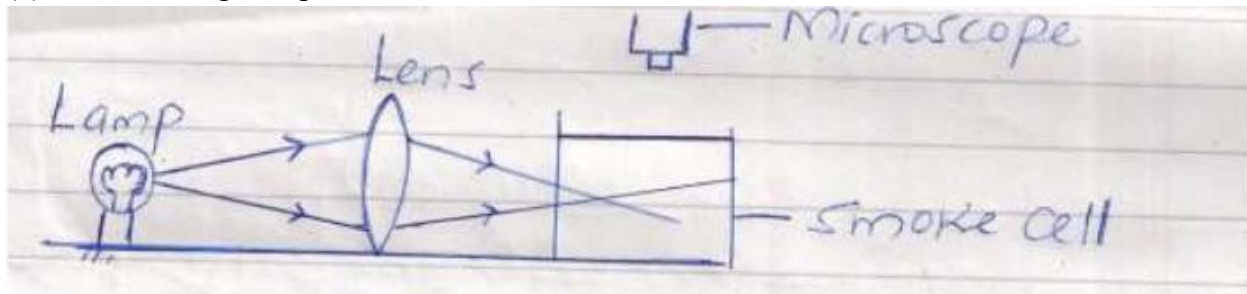
(i) the size of the image if its magnification is 0.01. 2mks

(ii) the length of the pinhole camera. 2mks

21. a) Define matter (1mk)

.....
.....

(b) The following set up was used to observe Brownian motion



Explain the role of the following:

(i) Lamp (1mk)

.....

(ii) Lens (1mk)

.....

(iii) Microscope (1mk)

.....

(c) State and explain the observation made in the smoke cell (3mks)

.....

.....

(d)

What will be the effect of increasing the temperature of the smoke cell on the observations made above?

(1mk)

22. A ream of foolscaps containing 500 papers has a thickness of 50mm and a mass of 2kg. if it has a width of 200mm and a length of 300mm, find;

a. The thickness of one sheet of paper (2 marks)

b. The mass of one sheet of paper (2 marks)

c. The volume of one sheet of paper (3 marks)

d. The density of the paper. (3 marks)

NAME ADM NO..... DATE

SCHOOL..... SIGNATURE

121

MATHEMATICS

FORM 2

MAY 2022

TIME: 2 ½ HOURS

MID TERM EXAMINATION

Kenya Certificate of Secondary Education 2022

INSTRUCTIONS TO CANDIDATES

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

For Examiner's Use Only

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

17	18	19	20	21

Grand

Total

--

SECTION I (50 Marks)

Answer all the questions in the spaces provided

1. One tablespoon of Sodium chloride is made by mixing 12 mg of sodium and 15g of chlorine. Determine the mass of the mixture in kilograms and express in standard form. (3 marks)

2. The odd numbers less than 10 are multiplied to form a number

a) Write down the number formed (2 marks)

b) State the total value of the second digit in the number formed (1 mark)

3. An arc of a circle subtends an angle of 60° at the centre .Find the length of the arc if the radius of the circle is 42cm (Take $\pi = \frac{22}{7}$) (3 marks)

4. Evaluate; (3 marks)

$$\frac{-7 \times -1 (3 \text{ of } -\frac{1}{3} - 4) \div 5 + -2}{8 \div 4 \times -2 + -7}$$

5. A square based copper plate is 14cm high and has a mass of 8.4kg. The density of the copper is 6.0 g/cm^3 .Calculate the length of the plate (3 marks)

6. Given that $x = -2$, find the values of y and z for the simultaneous equations (4 marks)

$$x + y - z = -1$$

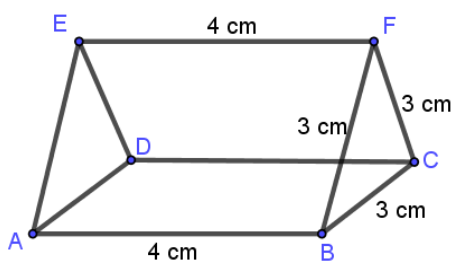
$$x - 2y + z = -7$$

7. Without using a calculator, simplify

(3 marks)

$$\frac{2\frac{1}{3} - 1\frac{2}{3} + 1\frac{1}{3}}{\frac{3}{7} \text{ of } 3\frac{2}{3} - 3\frac{4}{7}}$$

8. A prism of length 4cm has a cross section of an equilateral triangle of sides 3cm .Draw an accurate net of the prism below (3 marks)



9. Find the greatest number which when divided by 247, 367 and 607 leaves a remainder of 7 in each case. (3 marks)

10. Given that $2x^2 + 3.824^2 = \sqrt{358.3}$, use the tables of squares and square roots to find the value of x . (4 marks)

11. A cube has a surface area of 216 cm^2 calculate its volume (3 marks)

12. A football match first half takes 45 minutes. In a given day the match started at 9.15 a.m. after 15 minutes the game was interrupted by rains and stopped for 30 minutes. At what time did the first half end? (2 marks)

13. Kenyan company received US Dollars 195 000. The money was converted into Kenya shillings in a bank which buys and sells foreign currencies as follows;

Currencies	Buying Ksh	Selling Ksh
1 US dollar	78.25	79.45
1 sterling pound	122.94	123.28

a) Calculate the amount of money in Kenya shillings the company received. (1 mark)

- b) The company converted all the Kenya shillings calculated in (a) above into Sterling pounds to buy a car from Britain valued at the same amount. They allowed a discount of 5% on the value of the car. Calculate the buying price of the car to the nearest sterling pound.
(2 marks)

14. Find the sum of the interior angles of a regular hexagon (3 marks)

15. Without using a set square or a protractor construct:

- a) Triangle ABC such that $AB = 8\text{cm}$, $BC = 6\text{cm}$ and $\angle ABC = 30^\circ$ (3 marks)

- b) Measure the length AC. (1 mark)

16. Given that $a = 3$, $b = 5$ and $c = -\frac{1}{2}$, evaluate (3 marks)

$$\frac{\frac{1}{4}(b^2 - 3a)}{4a^2 + 2b - 4c}$$

SECTION II (50 Marks)

Answer all questions in this section

17. a) A trader sold an article at Sh. 4800 after allowing his customer a 12 % discount on the marked price of the article .In so doing he made a profit of 45% calculate

i. The marked price of the article (2 marks)

ii. The price at which the trader had bought the article (2 marks)

b) Calculate the percentage profit the trader would have made if he had sold the same article without giving a discount to 2 decimal places (2 marks)

c) Joan is a sales executive earning a salary of Ksh 20000 and a commission of 8% for the sales above Sh. 100 000. If in April 2018 she earned a total of Sh. 48 000 in salaries and commissions, determine the amount of sales she made in that month. (4 marks)

18. The boundaries PQ, QR, RS and SP of a ranch are straight such that: Q is 16 km on bearing of 040° from P; R is directly south of Q and east of P and S is 12 km on a bearing 120° from R.

- a) Using a scale 1 cm represent 2 km, show the above information in a scale drawing. (3 marks)

b) From the scale drawing determine

- i. The distance in kilometres of P from S. (2 marks)

- ii. The bearing of P from S. (2 marks)

- iii. Calculate the area of the ranch PQRS in square kilometres. (3 marks)

19. Two alloys A and B, are each made up of copper, zinc and tin. In alloy A the ratio of copper to zinc is 3:2 and the ratio of zinc to tin is 3:5.

- a) Determine the ratio, copper: zinc: tin in alloy A. (2 marks)

b) The mass of alloy A is 250kg . Alloy B has the same mass as alloy A but the amount of copper is 30% less than that of alloy A, calculate

i. The mass of tin in alloy A. (2 marks)

ii. The total mass of zinc and tin in alloy B. (3 marks)

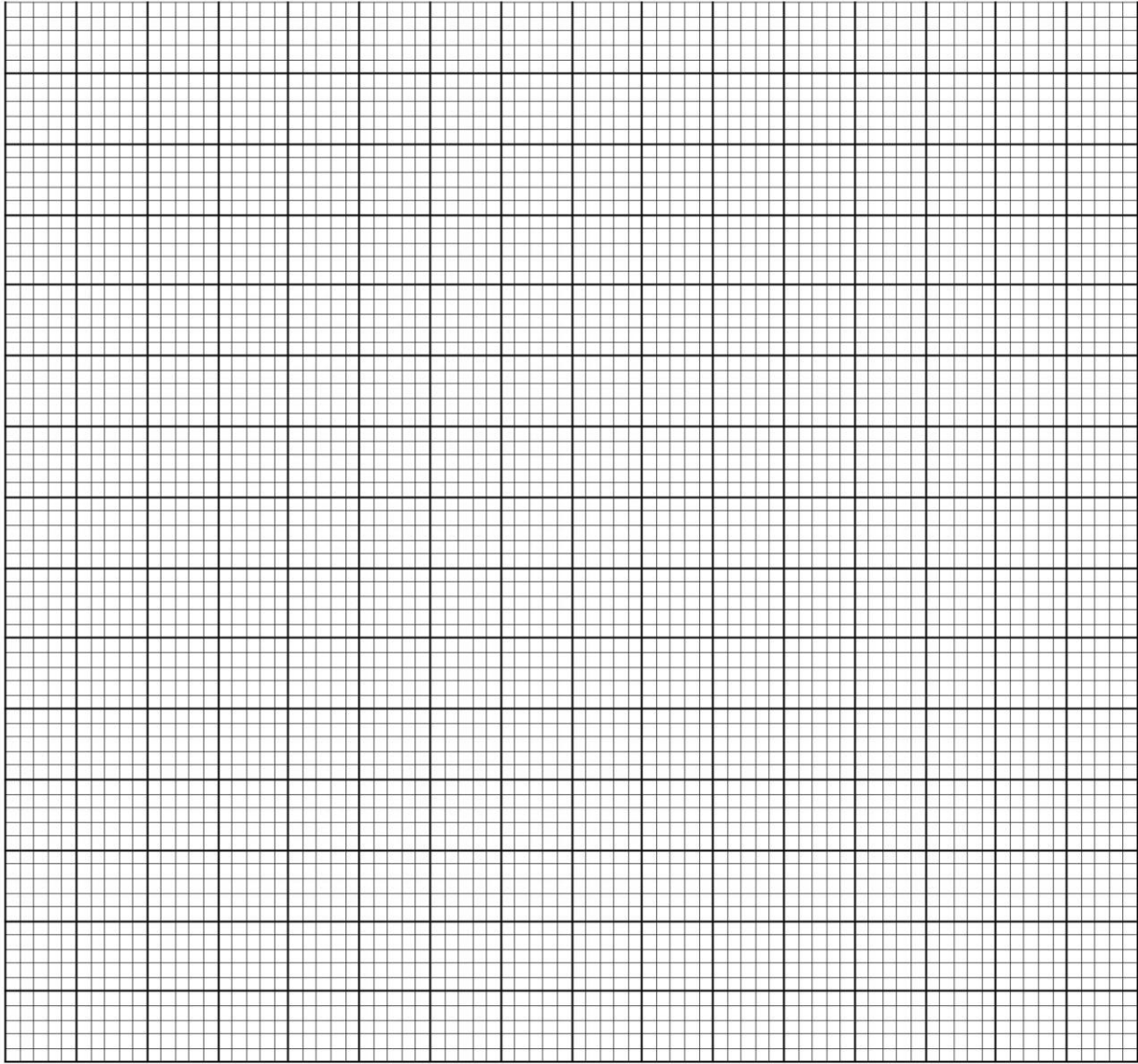
c) Given that the ratio of zinc to tin in alloy B is 3:8. Determine the amount of tin in alloy B than in alloy A. (3 marks)

20. (a) Complete the tables below for the following equations (4 marks)

$2x + y = 8$					
x	0	1	2	3	4
y			4		0

$x + 2y = 7$					
x	0	1	2	3	4
y	3.5			2	

(b) Draw the graph of $2x + y = 8$ and $x + 2y = 7$ on the same axis (3 marks)



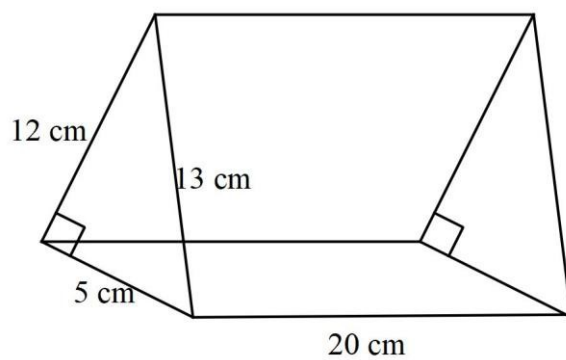
(c) Use your graph to solve the simultaneous equation $2x + y = 8$, $x + 2y = 7$ (1 mark)

(d) The line $2x + y = 8$ meets the $x - axis$ at a point R .Write down the coordinates of point R (1 mark)

(e) The line $x + 2y = 7$ meet the $y - axis$ at point P .Write down the coordinates of Point P (1 mark)

21. a) Find the surface area of a triangular prism shown.

(8 marks)



b) If John was go round the prism calculate the total distance he would cover.

(2 marks)

NameAdm. No.

Candidate's signature

Date

233

CHEMISTRY

MAY 2022

Time 2 hours

FORM 2
CHEMISTRY

INSTRUCTIONS TO CANDIDATES

- Write your name and Admission number in the spaces provided.
- Sign and write the date of examination in the spaces provided.
- Answer ALL questions in the spaces provided.
- All working must be clearly shown. where necessary
- Candidates should answer the questions in English

*This paper consists of 14 printed
pages*

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

1. a) Define the following terms as used in Chemistry.

i) Compound (1 mark)

ii) Catalyst (1 mark)

b) Why is it important to observe the following laboratory rules.

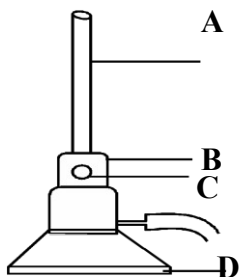
i) Label all chemicals. (1 mark)

ii) Do not eat anything in the laboratory. (1 marks)

c) Fill in the blank spaces in the table below. (3 marks)

Apparatus	Use
Ss	To separate immiscible liquids
Measuring cylinder	
	Scooping solid substances

2. Below is an apparatus used in the laboratory. Use it to answer the questions that follow.



Identify the parts labelled. (2 marks)

A

B

C

D

iii) What is the purpose of the parts:

(2 marks)

A

B

b) State two differences between luminous and non luminous flame

(2 marks)

Luminous flame

Non-Luminous flame

c) Why are most laboratory apparatus made of glass?

(1 marks)

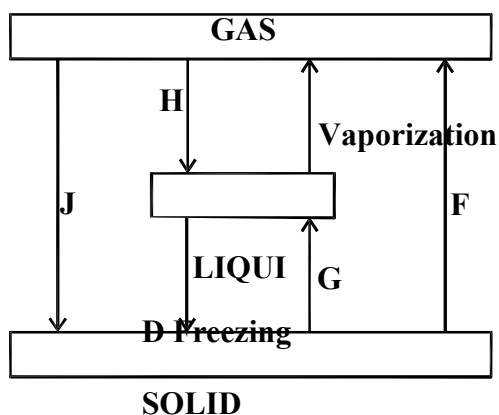
d) In an experiment, a hollow glass tube was placed in different regions of a non-luminous flame as shown below.



If a burning wooden splint / match stick was introduced at the tip of glass tubes in A and B, in which set up would a flame be formed. Explain.

(2 marks)

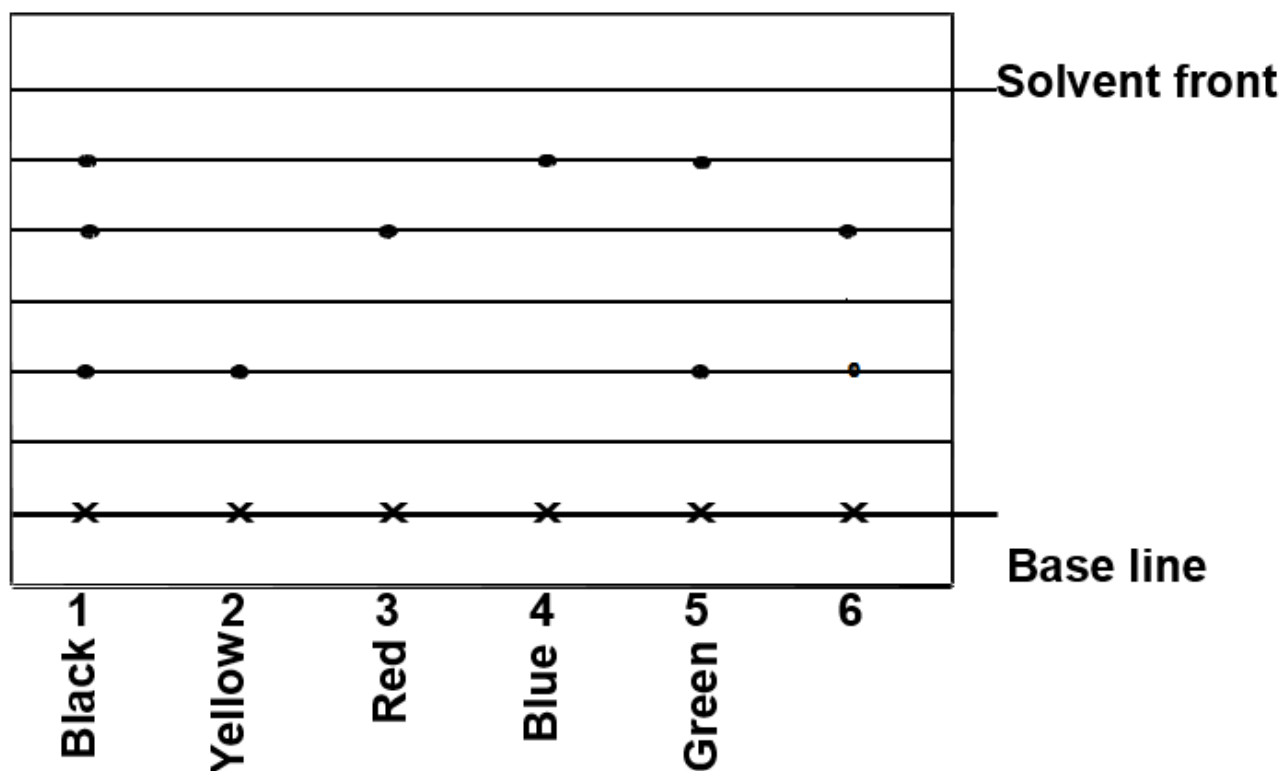
3. The diagram below shows the changes that take place between states of matter.



i) Give the names of the processes.(1 ½ mk)

H

G



i) Which two pigments are contained in pen 5? (1 mark)

(1 mark)

ii) According to the chromatogram which pigments are present in the ink of pen number 6. (1 mark)

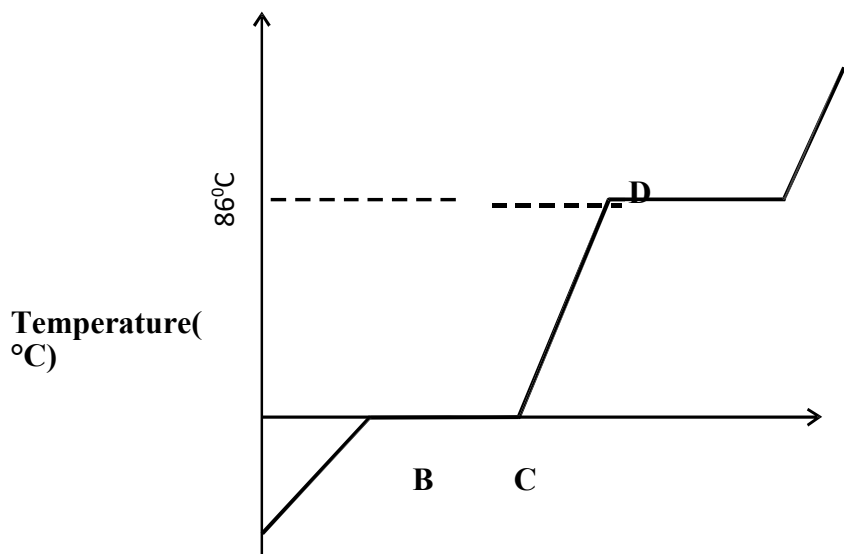
(1 mark)

5. Write the chemical symbols for the following elements. (2 marks)

(2 marks)

Element	Symbol
Sulphur	
Copper	
Helium	
Sodium	

6. The diagram below shows changes in physical states when a typical solid is heated. Study and answer the questions that follows.



i) On the same graph, sketch a curve that would be obtained if the solid was impure. (1 mark)

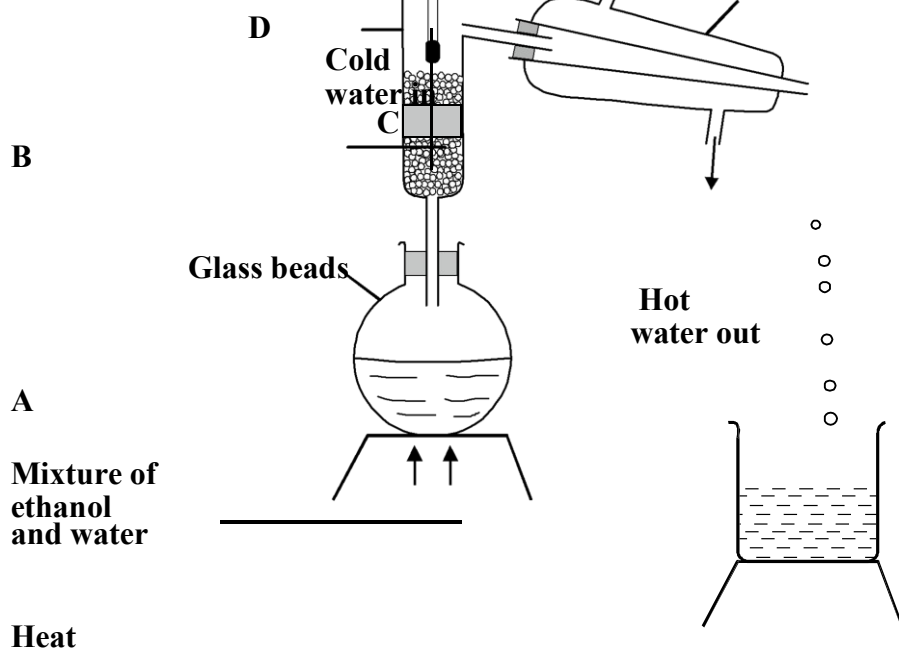
ii) What name is given to the curve above? (1 mark)

iii) Name process taking place at (1marks)

BC

DE

7. Study the set up below and answer the questions that follow.



i) Identify one mistake in the set up. (1 mark)

ii) Name the parts labelled (1mk)

B

C

iii) What is the purpose of the parts labelled (2mk)

C

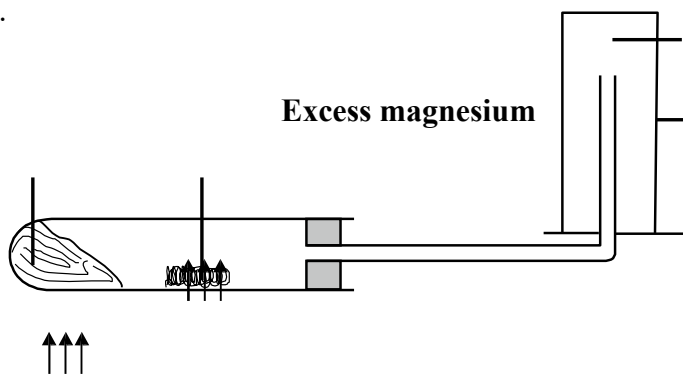
D

iv) Ethanol has a boiling point of 78°C and water 100°C . Which will be the first distillate? (1 mark)

v) Give one industrial use of the above method of separating mixtures. (1 mark)

8 a). A student set up the experiment below to collect gas K. The glass wool was heated before heating the magnesium coil.

Cotton wool soaked in water



Excess magnesium

Gas K

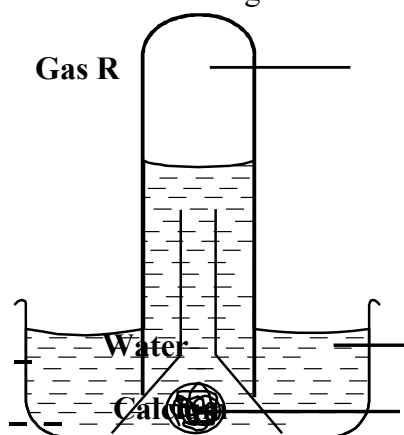
i) Explain why is it necessary to heat the moist cotton wool before heating the magnesium(1 marks)

ii) Identify gas K. (½ mark)

iii) What property of gas K make it possible to be collected as shown. (½ mk)

iv) Give one use of gas K. (1 mark)

b).The diagram below was used to investigate the action of water on calcium metal.



I. i) Identify gas R. (1 mark)

ii) The remaining solution in the beaker changed red litmus paper to blue. What does this suggest about the nature of solution. (1 mark)

iii) Write a word equation for the reaction. (1 mark)

II. What would be observed if:

i) Phenolphthalein indicator is added to the solution? (½ mark)

ii) Methyl orange indicator is added to the solution? (½ mark)

9. The table below shows the pH values of certain solutions. Study it and answer the questions that follow.

Solution	A	B	C	D	E	F
pH Values	13.5	12.0	6.5	7.0	10.0	1.0

Which of the solutions is most likely to be:

i) Lime water (calcium hydroxide)? (½ mark)

ii) Common table salt? (½ mark)

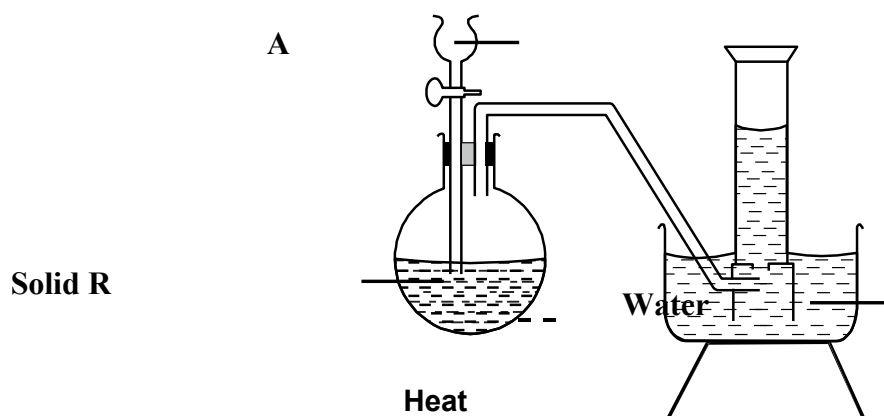
iii) Wood ash ? (½ mark)

iv) Weakly basic? (½ mark)

v) Orange juice?
(½ mark)

vi) Strongly acidic?
(½ mark)

10. The diagram below is a set up for the laboratory preparation of oxygen gas.



a) Name substance at (1mk)

A

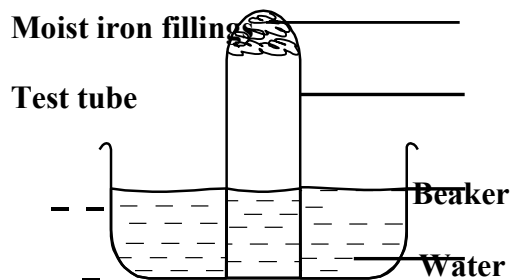
R

b) Write down a word equation for the reaction taking place in the flask. (1 mark)

c) What property of oxygen makes it possible to be collected as shown above? (1 mark)

d) Give two commercial uses of oxygen gas. (1 marks)

11.a) The set up below was used to study some properties of air.



i) Why was the iron fillings moistened? (1 mark)

ii) State one observation made after 48 hours. (1 marks)

iii) Explain the observations made. (1 marks)

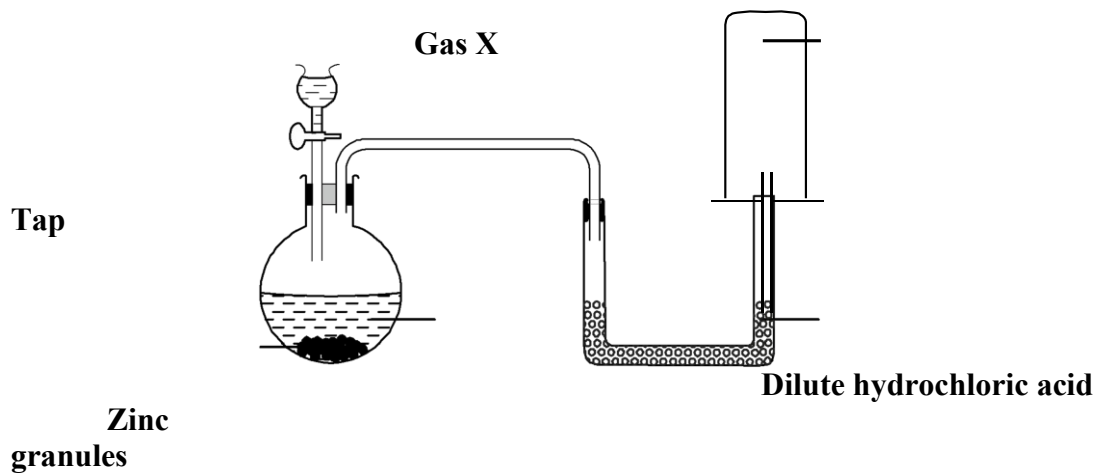
b) i) What is the chemical name for rust? (1 mark)

ii) Name two methods that can be used to prevent rusting. (1 mark)

c) Explain why it is not advisable to wash vehicles using sea water. (1 marks)

- d) Explain why galvanized iron objects are better protected even when scratched.
(1 mark)

12. Study the set up below and answer the questions that follow.



- a) Identify gas X (1 mark)
- b) Write a word equation for the reaction liberating gas X. (1 mark)
- c) Why is it not advisable to use calcium in this method of preparing hydrogen? (1 mark)
- d) What is the purpose of anhydrous calcium chloride in the U-tube? (1 mark)
- e) Name another compound that could serve the same purpose as anhydrous calcium chloride.(1 mark)
- g) Name the method used to collect the gas and give one property of the gas that enables it to be collected using this method. (1 marks)
- h) Why is it necessary to discard the first few bubbles of gas that is produced? (1 mark)

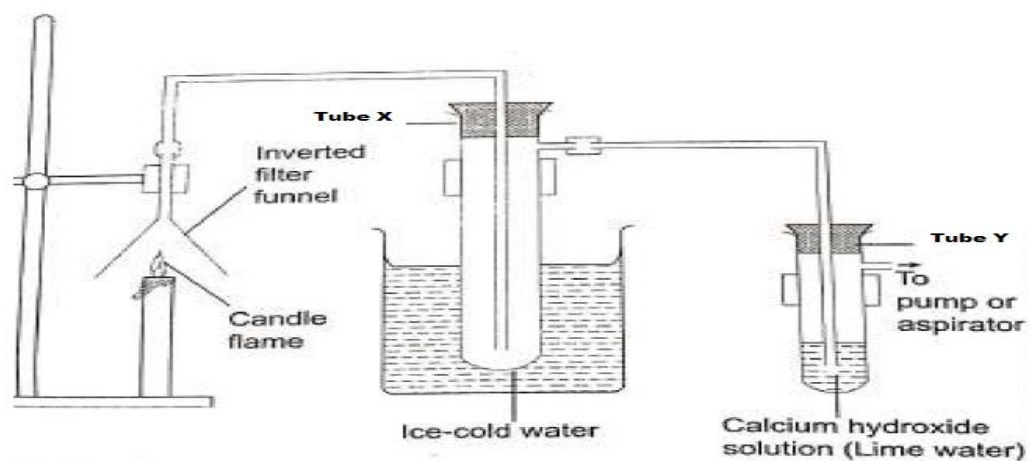
13. Give 2 differences between a physical change and a chemical change(2mk)

Physical change

Chemical change



14. The set up below was used to investigate the products formed when candle wax burns in air



What observations are made in:-

Test – tube X (1mk)

Test – tube Y. (1mks)

a) Explain why test-tube A is dipped in ice-cold water (1mk)

b) What is the effect of contact of test-tube X on anhydrous copper (ii) sulphate (1mk)

c) Identify the products formed when candle wax burns in air (1mks)

15. Name the method used to separate the following mixture (2mks)

Salt from sea water (both salt and water needed)

Copper (ii) Sulphate crystals from its aqueous solution

16. Metal S removes oxygen combined with P. Q reacts with an oxide of R and not with an oxide of P. P reacts with cold water but Q does not.

a) Which is the most reactive metal ? (1 mark)

b) Which is the least reactive metal ? (1 mark)

c) Arrange the metals in order of reactivity starting with most reactive to the least reactive. (1 mark)

17. Differentiate between the following terms:-

a) proton and electron
(2mks)

b) atomic number and mass number
(2mks)

c) An atom X can be represented as ${}_{12}^{24}\text{X}$.

i) write the electronic configuration of X.
(1mk)

ii) To what group and period does element X belong? Give a reason for each.
(2mks)

Group: _____ Period: _____

Reason _____ . Reason: _____

18. Element T has two isotopes, ${}_{35}^{35}\text{T}$ with relative abundance of 75% and ${}_{37}^{37}\text{T}$ with relative abundance of 25%.

a) Define the term isotope
(1mk)

b) Calculate the relative atomic mass of element T
(2mks)

MTIHANI WA KATI WA MUHULA WA KWANZA 2022

KISWAHILI KIDATO CHA PILI

JINA _____ NAMBARI _____ KIDATO _____

UFAHAMU

Soma taarifa ifuatayo kisha ujibu maswali.

Ponografia ni tendo, maandishi, picha au michoro inaoonyesha au kueleza uchi wa mtu au vitendo vya ngono kwa ajili ya kuchochea ashiki ya kuifanya. Mambo haya machafu huwasilishwa ana kwa ana kupitia sinema, magazeti, vitabu, muziki, televisheni, tovuti na kanda za kunasia picha na sauti.

Ponografia imekuwepo tangu jadi, hasa katika nchi za magharibi. Lakini sasa limekuwa tatizo sugu. Hii ni kwa sababu imeenea kote ulimwenguni mithili ya moto mbugani wakati wa kiangazi. Kuenea kwake kumechangiwa na mambo kdha wa kadha. Mchango mkubwa zaidi ukiwa umetokana na kuimarika kwa vyombo vya teknolojia ya habari na mawasiliano. Hata hivyo, kazi hii hubuniwa au kuchukiza wanajamii waadilifu. Kundi lingine ni lile la wanaochukia ponografia kama nyenzo ya kutosheleza ashiki zao. Kwa mfano, baadhi ya wanamuziki hutumia ponografia kuvutia wateja na hivyo kuzidisha mauzo yao.

Kushamiri kwa wimbi na uonyeshaji wa ponografia kuna athari kubwa kwa jamii hasa watoto. Ingawa watu wengine hudai picha hizi haziwathiri, upo ushahidi kuonyesha kuwa wale wanaotazama picha za ngono hupata matatizo. Lazima ieleweke kwamba kinachoonekana kwa jicho au kusikika kwa sikio huathiri fikira au hisia. Picha za matusi zinachangia kwa kiasi kukubwa kuharibu akili. Badala ya kuzingatia mambo muhimu kama vile masomo, watu huanza kutafakari mambo machafu.

Vijana wengi ni kama bendera, huyaiga wanayoyaona na kuyasikia. Hili ni tatizo linalowafanya kuacha mkondo wa maadili. Hivyo basi wengi hushawishiwa kuingilia shughuli za ngono mapema kabla hawajakomaa kimwili, kiakili na kihisia. Matokea yake ni ukahaba, utendaji mbaya shuleni, mahudhurio mabaya ya darasani na mimba zisizotarajiwa. Vijana wengi huacha shule kabisa huku wengine wakiambukizwa magonjwa ya zinaa ambayo yanaweza kuwaletea mauti.

Yasemekana kuwa akili za binadamu hunasa zaidi mambo yanayowalishwa kwa picha na hivyo basi matusi haya yaweza kudumishwa katika kumbukumbu zao. Tabia mbaya kama vile ushoga, ubasha na usagaji huwa matokeo yake na hata matokeo ya vijana hugeuka wanapoanza kuiga mitindo mabaya ya mavazi yanayoanika uchi wao. Hali kadhalika, lugha, ishara na miondoko inayohusiana na ngono huibuka. Yote haya yanakinzana nadesturi za desturi za mwafrika. Si ajabu visa vya ubakaji vinaongezeka kuchapo. Utazamaji wa picha chafu aghalabu huandamana na maovu mengine kama vile unywaji pombe na matumizi ya vileo ambavyo huchochea uchi wa ngono na kuibua tabia za kinyama.

Kuendelea kuzitazama picha hizi huzifanya nishai na hisia za watu kuwa butu, huondoa makali kiasi kwamba hata katika uzima mtu hupoteza mhemko na kugeuzwa kuwa mtegemezi wa ponografia. Tatizo hili linaenea kwa vishindo mjini na vijini. Ipo haja ya dharura kuikinga jamii kutokana na malezi haya yasiyo na kizuizi.

Kuongeza ufahamu wa umma wote kuhusu uovu wa picha hizi, watu kuwajibika kwa kuwalinda na kuwahimiza vijana kuhusu maovu haya na wale wenye midahilishi, video na sinema kutowaruhusu vijana kutazama uchafu huu kunaweza kuwa maana ya kuyakinga au hata kuyaepuka madhara ya ponografia. Ni sharti pia sheria izuie na kupiga marufuku utengenezaji na ueneaji wa upungufu huu. Bila shaka, sheria na

hatua kali ziweze kuchukuliwa dhidi ya waivunjao. Hali kadhalika, wazazi wasijipweteke tu bali wawaelekeze watoto wao ipasavyo na kila mtu alitekeleze jukumu lake.

MASWALI

- a) Yape makala uliyosoma anwani mwafaka (al 1)
- b) Toa sababu za kusambaa kwa uchafu unaozungumziwa katika taarifa. (al 2)
- c) “Bendera hufuata upepo” Thibitisha ukweli wa kauli hii kulingana na makala (al 1)
- d) Ponografia huchangia madhara mengi hasa miongoni mwa vijana. Taja manne.(al 4)
- e) Ni hatua zipi zinazofaa kuchukuliwa dhidi ya aina ya uozo unaozungumziwa na mwandishi?
(al 4)
- f) Fafanua msamiati huu kimuktadha.
- i) Uchu
 - ii) Wasijipweteke
 - iii) Kuwa butu

MATUMIZI YA LUGHA

(AL 55)

- ai) Sauti ni nini katika lugha (al 1)
- ii) Taja sifa mbili bainifu za /m/ (al 2)
- b) Kwa kutoa mifano, eleza dhana hizi: (al 2)

i) Silabi wazi

ii) Silabi funge

c) Ainisha mofimu katika neno : (al 3)

Anatupikia

d) Bainisha aina za nomino zilizotumika katika sentensi ifuatayo.

i) Juma alimpa mtoto yule maji ya Baraka (al 4)

e) Andika kwa wingi:

i) Ile ya kujengea haijaletwa

ii) Andika kwa umoja

Mishale yao ilifungwa kwa manyoya mengi meusi (al 2)

f) Andika katika ukubwa wingi

Njia hii inafaa zaidi kuliko ile (al 2)

g) Yakinisha:

i) Sikusikia kuwa alichapwa wala kuumizwa (al 2)

ii) Asingefika mapema asingemsaidia (al 2)

h) Taja ngeli za nomino zifuatazo (al 3)

i) Maziwa

ii) Chai

iii) Kinyongo

i) Tofautisha maana katika sentensi zifuatazo:

i) Chakula chote kinapendeza

iii) Chakula chochote kinapendeza

j) Tumia neno “alasisiri” katika sentensi kama: (al 2)

i) Nomino

ii) Kielezi

k) Kirai ni nini? (al 2)

l) Wachezaji walikula chakula chote.

Anza: Chakula

m) Tambua aina ya maneno :

i) Ng’ombe mweusi atachinjwa leo (al 2)

n) Kwa kutoa mifano, eleza maneo mawili ya Ritifaa

o) Eleza maana ya: (al 2)

i) Ala tuli

ii) Ala sogezi

p) Bainisha matumizi ya kiambishi ‘ni’ katika sentensi hizi:-

i) Alikula shuleni

ii) Ni mchezo huo

q) Andika sentensi zifuatazo ukizingatia maagizo uliyopewa katika mabano. (al 2)

i) Magari yote yalitiwa vidhibiti mwendo (Mazoea)

ii) Alichora na akatuzwa (hali timilifu)

r) Kamilisha methali zifuatazo (al 2)

i) Ziniwi likujualo.....

ii) Hafikilii mbingu

s) Toa maana mbili ya sentensi hii:-

Babu alinipigia mpira (al 2)

t) Eleza maana ya misemo hii (al 2)

i) Valia miwani

iii) Kula kadhongo

U) Huku ukitoa mifano, eleza maana ya viambishi awali na viambishi tamati. (al 4)

ISIMU JAMII**(AL 12)**

Soma kifungu kifuatacho kasha ujibu maswali.

Jane: Hallo John

John: Hallo Jane

Jane: Uko wapi

John: Niko kazini

Jane: Umelost hivi kwa nini?

John: Kazi mob tu na.....

Jane: Tukutane wapi.....lini?

John: Hallo....hallo

a) Tambulisha muktadha wa mazungumzo haya. (al 2)

b) Taja sifa zozote nne zinazotambulisha mazungumzo haya. (al 8)

FASIHI SIMULIZI**(AL 20)**

1) Eleza sifa za hadithi. (al 5)

2) Taja sifa tano za mtambaji bora. (al 5)

3) Eleza umuhimu wa vitunza-ndini . (al 5)

4. Eleza kikamilifu umuhimu was fasihi simulizi katika jamii.

(al 5)

WE ALSO HAVE FORM 1,3,4 MID TERM EXAMS