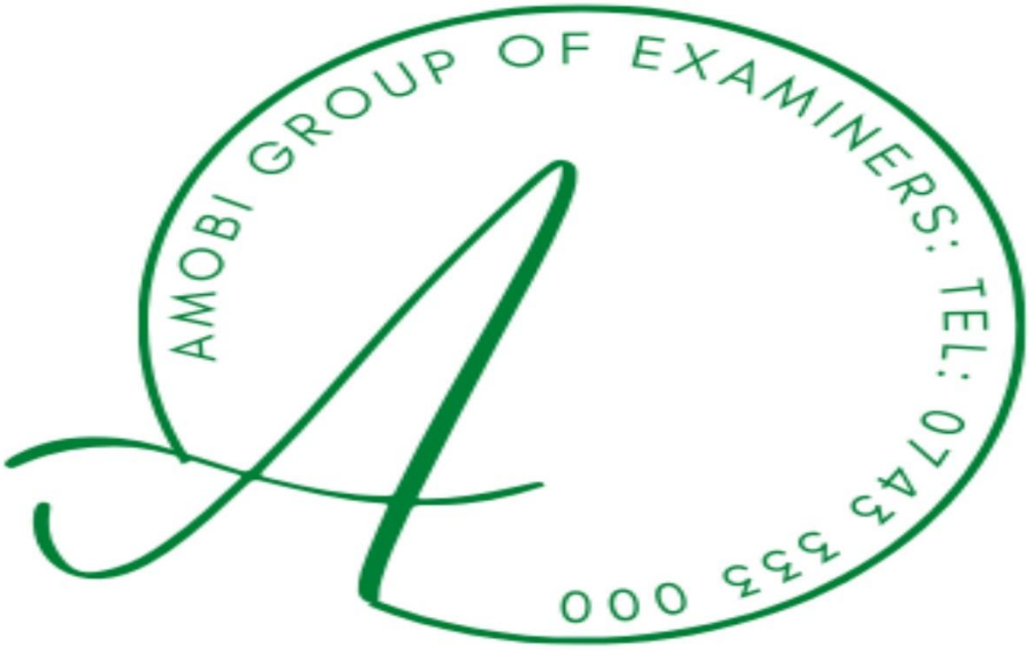
BRILLIANT STUDENTS FORM 2 END TERM 3 SERIES 1 EXAMS *(17 SUBJECTS TESTED)*



BRILLIANT STUDENTS FORM 2 END TERM 3 SERIES 1 EXAMS

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***N/B** In Response to the Huge Costs Associated in Coming Up with Such/Similar Resources Regularly, We inform us All, MARKING SCHEMES ARE NOT FREE OF CHARGE. However Similar QUESTIONS, Inform of soft Copies, are Absolutely FREE to Anybody/Everybody. Hence NOT FOR SALE*

by Amobi Group of Examiners.

ORDER OF THE 17 SUBJECTS TESTED

(ALPHABETICALLY ARRANGED)

1. **AGRICULTURE**
2. **ART AND DESIGN**
3. **BIOLOGY**
4. **BUSINESS STUDIES**
5. **CHEMISTRY**
6. **COMPUTER**
7. **C.R.E**
8. **DRAWING AND DESIGN**
9. **ENGLISH**
10. **FRENCH**
11. **GEOGRAPHY**
12. **HISTORY**
13. **HOMESCIENCE**
14. **I.R.E**
15. **KISWAHILI**
16. **MATHS**
17. **PHYSCIS**

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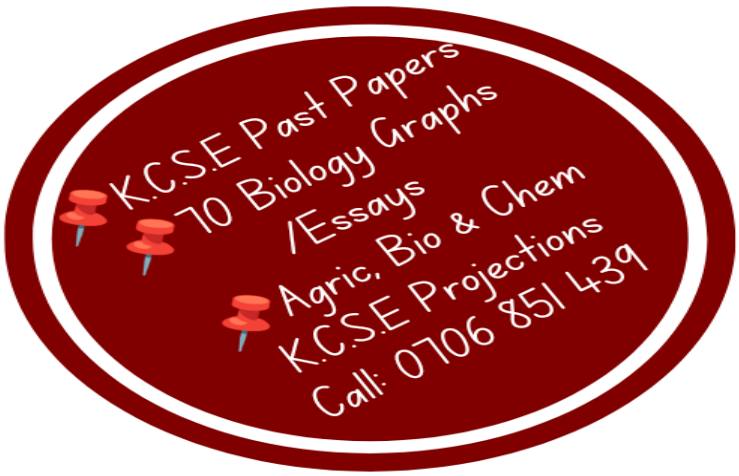
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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……..

SCHOOL: ……...……..

ADM NO: …… **SIGN:** …… **DATE:** ……...

AGRICULTURE (QUESTION PAPER)

FORM TWO

TIME 2 HOURS

INSTRUCTIONS TO ALL CANDIDATES:

A. Write your name and admission number in the spaces provided.

B. This paper consists of section A, B and C.

C. Answer all questions in section A, B and C in the spaces provided.

FOR EXAMINERS USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE SCORE
A	1-19	60	
B	20-23	20	
C	24-25	20	
	TOTAL	100	

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SECTION A (60MKS) ANSWER ALL QUESTIONS IN THE SPACES PROVIDED

1.Give two sub- branches of arable farming**.** **(2mks)**

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2.Give biotic factors that influence agriculture. **(4mks)**

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3.Give four reasons why land should be prepared early in readiness for planting**.** **(4mks)**

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4.Give two circumstances that may necessitate irrigation. **(2mks)**

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5.Give two characteristics of fresh market tomatoes. **(2mks)**

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6.State three characteristics of plants that are used for green manure. **(3mks)**

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7.Outline three methods of breaking seed dormancy. **(3mks)**

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8.List three advantages of raising seedlings using polythene sleeves. **(3mks)**

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9.State the difference between large white and landrace breeds of pigs. **(2mks)**

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10. Give four importance of keeping livestock healthy. **(4mks)**

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11. List four ways of applying fertilizers in crop production **(4mks)**

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12. Name two types of inventory records. **(2mks)**

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13. Give four advantages of crop rotation. **(4mks)**

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14. State four disadvantages of organic mulch. **(4mks)**

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15. Give four reasons for pruning coffee**.** **(4mks)**

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16. State four deficiency symptoms that would be seen in crop lacking potassium. **(4mks)**

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17. Outline four advantages of mixed farming. **(4mks)**

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18. Highlight three reasons for keeping health records. **(3mks)**

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19. Name two major physical differences between dromedary and bactrian breeds of camel. **(2mks)**

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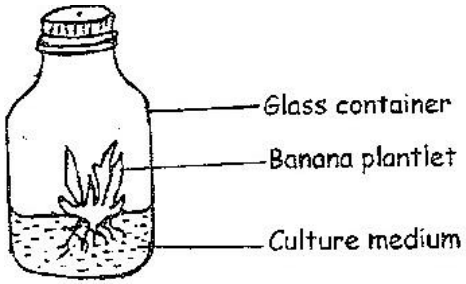
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SECTION B (20MKS) ANSWER ALL QUESTIONS IN THE SPACES PROVIDED.

20. The illustration below shows a vegetative material used in propagation of bananas.



a) Identify the above material. **(1mk)**

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b) Name two essential substances provided by the culture medium. **(2mks)**

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c) Other than culture medium, name two other conditions required to promote development of roots and shoots in the banana plantlets. **(2mks)**

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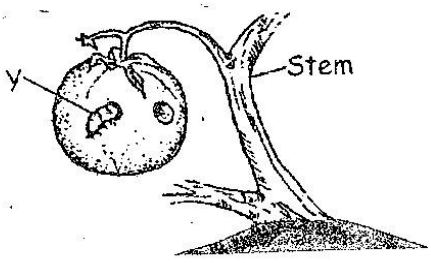
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21. The diagram below represents a tomato pest.



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a) Identify the pest labeled Y above. **(1mk)**

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b) What is the effect of the above pest on the plant. **(1mk)**

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c) How can the pest above be controlled. **(1mk)**

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d) Apart from the above pest, name two other pests of tomatoes. **(2mks)**

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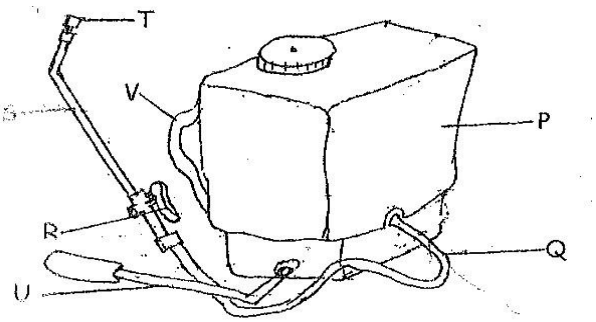
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22. Below is a diagram of farm equipment. Study it carefully and answer the questions that follow.



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

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b) Name the parts labeled P, Q, S and T. **(2mks)**

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c) State the functions of T and U. **(2mks)**

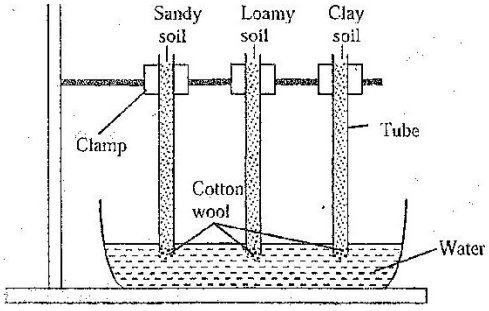
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23. The experiment below was set up to investigate a property of soil.



a) State the aim of the above experiment. **(1mk)**

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b) From the experiment, what conclusion can be deduced? **(2mks)**

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c) State two physical properties of soil that influence its productivity. (2mks)

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SECTION C (20MKS) ANSWER ALL QUESTIONS IN THE SPACES PROVIDED.

24. State and explain five factors which may influence the spacing of crops. (10mks)

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25. a) Describe six main nursery management practices carried out in a tomato nursery. **(6mks)**

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b) Give four factors that influence soil formation. **(4mks)**

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

442 ART & DESIGN (QUESTION PAPER)

FORM TWO (2)

TIME: 2 HOURS

Instructions to Candidates

- *Write your ADMIN number in the spaces provided above.*
- *Sign and write the date of examination in the spaces provided above*
- *This paper consists of three sections **A, B** and **C.***
- *Answer all the questions in section **A** and **B***
- *Answer any one question in section C.*
- *d) All answers should be written in the spaces provided.*
- *Where drawing and diagrams are appropriate, they should be included within the text of your answers*
- *Do not remove any page from this booklet.*

For Examiner's Use Only

Section	Question	Maximum Score	Candidate's Score
A	1	25	
	2	02	
	3	07	
	4	06	
	5	05	
C	6 - 8	15	
Total Score		60	

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SECTION A (25 Marks)

Answer all the questions in this section in the space provided.

1.a) Define shape. **(1mk)**

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b i) Identify the most outstanding principle depicted in the illustration below. **(1mk)**



ii) Briefly explain how it has been achieved in a work of art. **(1mk)**

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c) Explain the function of the following in ceramics. **(2mks)**

i) Slip

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ii) Grog

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d) State one disadvantage of using charcoal as a medium in drawing. **(1mk)**

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e) Study the illustration below.



[i]Name the type of illustration/painting shown above. **(1mk)**

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[ii]Identify one area where the above identified is likely to be used. **(1mk)**

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f) Differentiate an ornament from a Jewellery, giving one example of each. **(3mks)**

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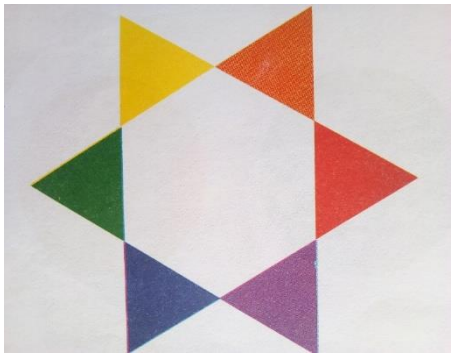
g) Define color **(1mk)**

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h) Using the color triangle bellow Identify and name the following colors. **(4mks)**



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(i) Complimentary colors……. ……..

(ii) Analogous colours……. …….

i) Give an two types of traditional kilns **(2mks)**

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j) Name two types of clay. **(2mk)**

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k) What name is given to?

(i) Unfired clay articles…….

(ii) Fired clay articles? …….. **(2mk)**

l) Differentiate between visual and tactile texture. **(2mks)**

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m) Define the term printing. **(2mks)**

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SECTION B (20 marks)

Answer all questions from this section in the space provided.

2.Use the illustrations bellow and identify the two types of eye levels for each. **(2mks)**

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3. (a) Differentiate a book cover from a book jacket**.** **(2mks)**

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(b) Mention five components of a book cover. **(5mks)**

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4.Describe the following terms in ceramic decoration. **(6mks)**

a) Burnishing

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b) Embossing

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c) Incising

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5. In the space provided below, sketch a hand polishing a shoe **(5mks)**

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SECTION C (15 marks)

Answer any one question in this section

6. a) What is collage? **(1mk)**

b) Outline factors to be considered when selecting a support for collage work. **(4mks)**

c) Differentiate between collage and mosaic. **(6mks)**

d) State four reasons why montage is regarded as a type of collage. **(4mks)**

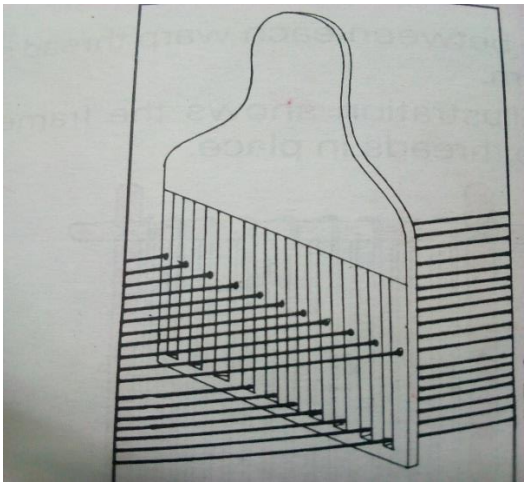
7.a) Define painting. **(2mks)**

b) Name three properties of colour and explain. **(6mks)**

c) Explain different painting techniques **(6mks)**

d) Identify any three roles of painting in your society. **(3mks)**

8. Identify the tool bellow and its use. **(2mks)**



(ii)Apart from the tool above, Name any other four tools that can be used in the same activity **(4mks)**

(iii)Using illustrations, Describe the following weaving techniques **(9mks)**

(i) Twinning

(ii) Tabby weave

(iii) twilling

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

BIOLOGY (QUESTION PAPER)

FORM TWO (2)

Time: 2 Hours

INSTRUCTIONS

1.This paper has **TWO** sections: **A** and **B**

2.**All** Questions in Section **A** are **Compulsory**

3.Question **6** is Compulsory

4.Choose Either Question 7 **or** 8

5.Write your Answers in the Spaces Provided

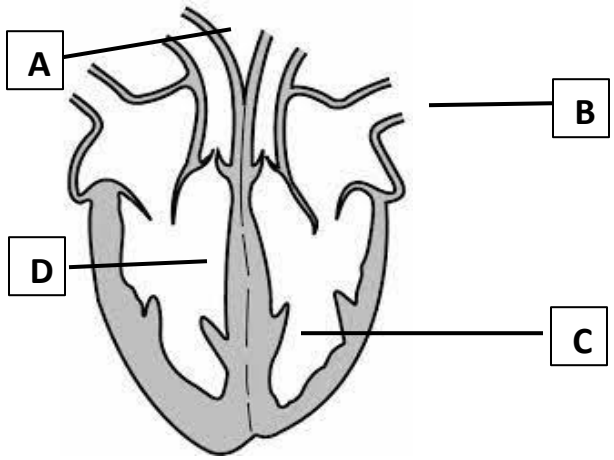
6.Wrong Spelling of Technical Terms shall be **Penalized**

Section	Question	Max Score	Student's Score
	1	8	
	2	8	
	3	8	
	4	8	
	5	8	
	6	20	
	7 or 8	20	
TOTAL SCORE		80	

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SECTION A (40 MARKS)

1.The diagram shown below represents a mammalian heart. Use it to answer the questions that follow



a) State the differences between vessel **A** and **B** in terms of the following: **(2mks)**

Vessel	Diameter of Lumen	Concentration of Oxygen in the blood
A		
B		

b) i) Name the part labelled **C** **(1mk)**

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ii) How is part **C** important in the functioning of the heart? **(1mk)**

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c) i) Which chamber of the heart is represented by letter **D** **(1mk)**

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ii) Give a reason for your answer in ci) above **(1mk)**

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d) Explain why animals with the heart shown above are more active than the rest **(2mks)**

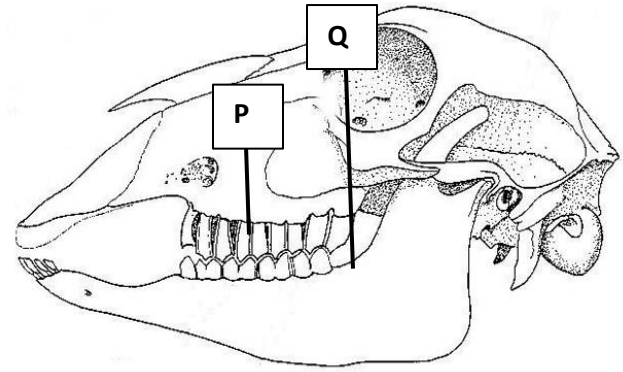
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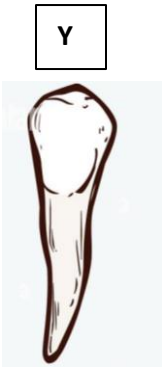
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2.The diagrams shown below were used to study nutrition in a particular animal







a) i) Name the mode of nutrition of the animal whose skull is shown above **(1mk)**

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ii) Give a reason for your answer in ai) above **(1mk)**

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iii) Why do animals with the skull shown above have a longer alimentary canal **(2mks)**

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b) State the significance of parts **P** and **Q** to the nutrition of the animal whose skull is represented above **(2mks)**

i) **P**

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ii) **Q**

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c) i) Identify the tooth represented by **X** **(1mk)**

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ii) Give a reason for your answer in ci) above **(1mk)**

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3. The diagram shown below the same cells in the same field of view of light microscope under different microscopy conditions



Before **After**

a) From the changes observed in the cells after adjustment of the microscope conditions, give **TWO** advantages of using a microscope over using a hand lens **(2mks)**

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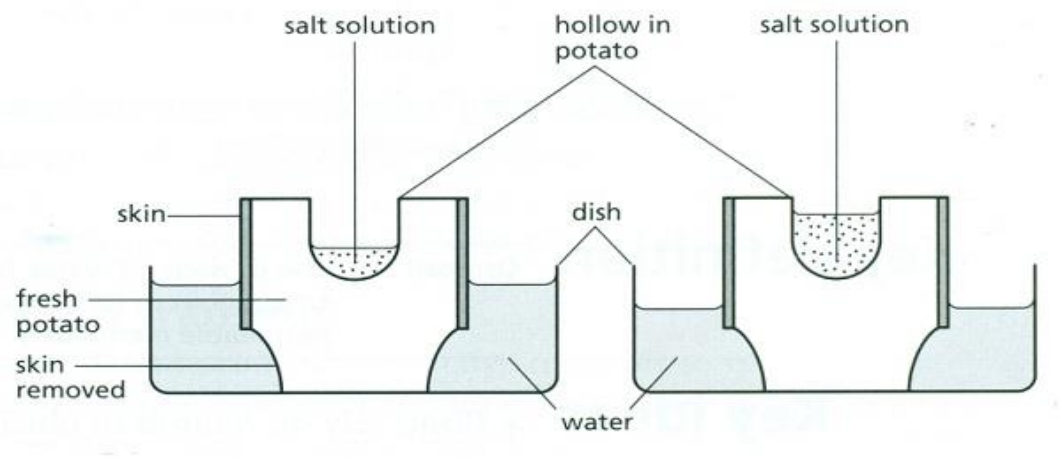
b) i) Determine the number of cells along the diameter of the field of view represented by the white line in the second diagram **(1mk)**

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ii) If the diameter of field of view is 5mm, determine the diameter of one cell in micrometers **(3mks)**

c) If the actual diameter of a single cell is 0.55micrometers, determine the total magnification used to observe the cells in the second diagram **(2mks)**

4. The diagram shown below was used by Form One students to investigate a physiological process and observations made 30 minutes later.



Before **After**

a) Which physiological process was being investigated? **(1mk)**

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b) Give **TWO** ways the physiological process mentioned in a) above is beneficial to animals **(2mk)**

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c) Account for the changes observed after the experiment **(3mks)**

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d) Explain the observation made if boiled potato was used in the experiment **(2mks)**

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5. The table below shows changes in the heart beat, concentration of oxygen and lactic acid in the blood during different levels of physical activity of a healthy athlete.

Level of Physical activity	Heartbeat (Beats per minute)	Oxygen Concentration(%)	Lactic acid concentration(mol)
Resting	60	100	0
Easy	80	95	0.5
Moderate	100	90	2
Difficult	120	85	4
Very Difficult	140	80	10

a) Account for the change observed in the concentration of lactic acid **(3mks)**

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b) Give **TWO** reasons why the increase in heart beat with increase in physical activity is important to the body. **(2mks)**

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c) State **TWO** ways the body deals with excess lactic acid accumulated during physical body exercise **(2mks)**

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d) Explain why during intense exercise the athlete will breathe faster **(1mk)**

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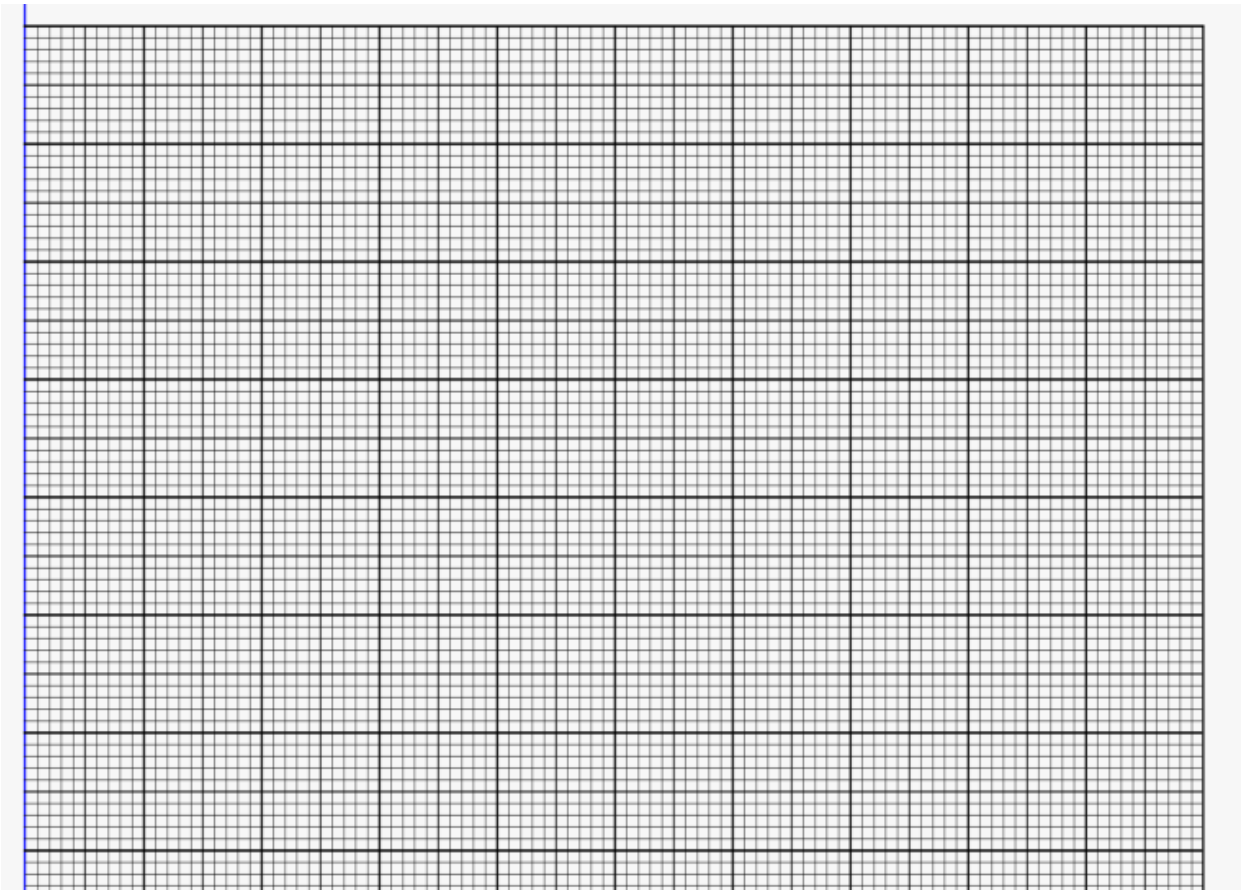
SECTION B (40 MARKS)

Answer **Question 6** which is **Compulsory;** then Choose either Question **7** or **8**

6.The table below shows the rate of product formation for an enzyme over a range of pH values.

pH	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
Rate of product formation for enzyme (mg/hr)	34.5	40.5	33.5	15.0	2.50	0.0	0.0	0.0

a) Plot a graph of rate of product formation against pH for the enzyme (6mks



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b) Account for the changes in the rate of product formation at

i) pH of **1.0** to **2.0** **(2mks)**

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ii) pH of **3.0** to **5.0** **(2mks**

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c) From the graph, determine the following:

i) Optimum pH for the enzyme **(1mk)**

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ii) The rate of product formation at pH of **3.5** **(1mk)**

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d) With a reason, name the part of the alimentary canal where the enzyme above is found **(2mks**

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e) Give **THREE** variables that may increase the maximum rate of product formation of the enzyme above **(3mks)**

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f) i) State **TWO** factors that may cause irreversible change in structure of enzymes **(2mks)**

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ii) State one way of reversing competitive enzyme inhibition **(1mk)**

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7.a) Describe how red blood cells are adapted to their functions **(8mks)**

b) Describe how the various environmental factors increase the rate of transpiration in plants **(12mks)**

8.a) Explain how various physiological mechanisms work to raise temperature back to normal in mammals on a cold day **(10mks)**

b) Describe how various factors influence energy requirements in human beings. **(10mks)**

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

BUSINESS STUDIES (QUESTION PAPER)

FORM TWO

TIME 2 HOURS

Answer all questions in the spaces provided

1. A resource is something that is used by a business to achieve an objective. Identify four resources available in a business **(4 Marks)**

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2. Outline four characteristics of human wants **(4 Marks)**

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3. John and Peter jointly own goods valued at sh. 160,000 with a capital contribution of the ratio 3:1 respectively. The insured the goods against fire at sh. 100,000. A fire broke out and destroyed goods worth sh. 80,000. Calculate the amount to be received in compensation by each of them. **(4 Marks)**

4. The following are some functions of some various equipment used in offices. Indicate the type of machine that matches the function given. (4 Marks)

Functions		**Equipment**
a)	Destroying unwanted documents	_____
b)	Cutting paper into required shape and size	_____
c)	Making postage impression on envelopes	_____
d)	Making shorthand dictation	_____

5. Outline ways through which partnership may be formed. **(4 Marks)**

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6. In the spaces provided below indicate the type of utility created by the following business activities **(4 Marks)**

Business activity	**Types of utility**
Selling face masks to customers	
Transporting onions	
Storing onions in a granary	
Making a camera	

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7.Outline **four** reasons why a business person may prefer written communication to verbal communication. **(4 Marks)**

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8.Highlight four advantages of human porterage. **(4 Marks)**

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9.Highlight four characteristics of labour as a factor of production. **(4 Marks)**

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10. In the spaces provided below, state the document to which each of the following statement relate. **(4 Marks)**

Statement		Document
a) Inform the buyer when goods were dispatched and by what means b) A request by seller for payment in advance c) Used to correct an undercharge in an invoice d) Shows details of the transactions between seller and buyer during a given period		

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11. List four sources of business idea. **(4 Marks)**

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12. Outline four duties of commercial attaches. **(4 Marks)**

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13. State **four** ways in which the nature of goods would influence the choice of transport. **(4 Marks)**

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14. Highlight **four** circumstances under which it may be appropriate to use personal selling to promote products.**(4 Mks)**

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15. In the spaces provided, indicate whether each of the following statements relate to preference shares or ordinary shares**.** **(4 Marks)**

Statement Types of shares

(i) Has voting rights ……

(ii) Rate of dividend is fixed ……

(iii) Considered first in liquidation ……

(iv) Represent ownership ……

16. Explain five external business environments and how they influence a business negatively. **(10 Marks)**

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17. Explain any five principles of insurance**.** **(10 Marks)**

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18. Highlight **five** differences between an open plan office and enclosed office layout. **(10 Marks)**

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19. Explain 5 features of economic resources **(10 Marks)**

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……..…….……..……..……..

1.Explain the change in mass expected when each of the following is heated in an open crucible:

a) Copper metal **(1 Mark)**

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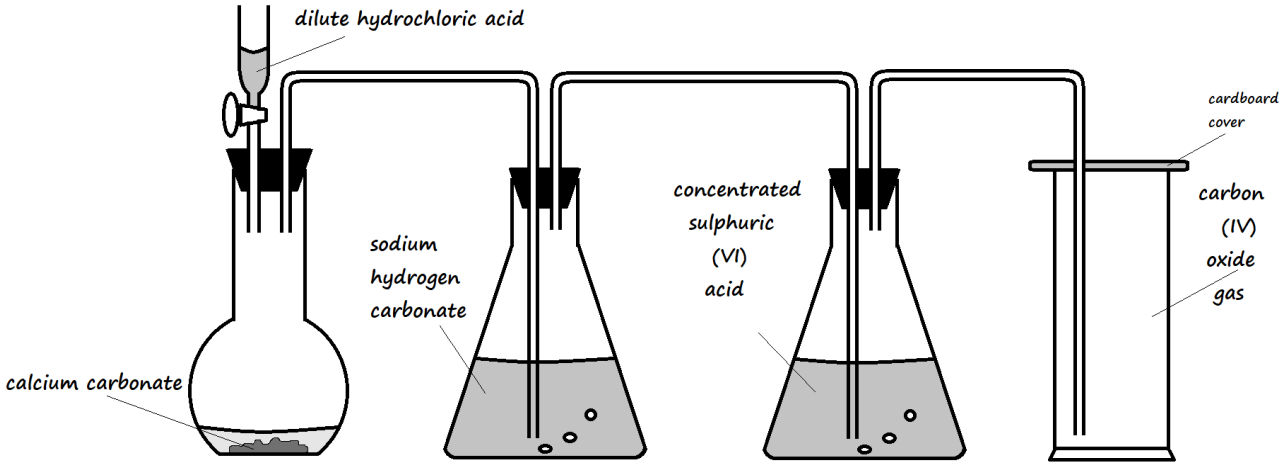
b) Copper (II) nitrate **(1 Mark)**

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2.The diagram below shows the setup of apparatus used to prepare a dry sample of carbon (IV) oxide gas. Study it and answer the questions that follow



a) State the role of sodium hydrogen carbonate in the setup **(1 Mark)**

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b) Write the equation for the reaction taking place in the conical flask containing calcium carbonate **(1 Mark)**

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c) Give a reason why dilute sulphuric (VI) acid is not suitable for use in place of dilute hydrochloric acid **(1 Mark)**

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3. The table below shows the melting point and boiling point values of elements across period 3 of the periodic table. Study it and answer the questions that follow.

	Na	Mg	Al	Si	P	S	Cl	Ar
Melting point (°C)	98	650	660	1410	44 590	119 113	-101	-189
Boiling point (°C)	890	1110	2740	2360	280	446	-35	-186

a) Explain the trend in melting point and boiling point values between sodium and aluminium **(2 Marks)**

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b) Give a reason why both phosphorous and sulphur have **two values** of melting point **(1 Mark)**

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4.

a) What are isotopes? **(1 Mark)**

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b) Calculate the relative atomic mass of element E whose isotopic composition, shown below, is in the ratio 80:6:14 **(2 Marks)**

$^{15}_{7}E$ $^{16}_{7}E$ $^{17}_{7}E$

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5.Write balanced chemical equations for the reactions between:

a) Dilute hydrochloric acid and calcium hydrogen carbonate **(1 Mark)**

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b) Dilute sulphuric (VI) acid and potassium hydroxide solution **(1 Mark)**

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6.When sodium metal is burnt in air, a white solid is observed. When the metal is burnt in pure oxygen, the product formed is yellow. Name the white solid and yellow solid. **(2 Marks)**

a) White solid _____

b) Yellow solid _____

7.Dilute hydrochloric acid was added to a calcium compound **X** to form a colourless solution **W** and colourless gas **Y**. Gas **Y** formed a white precipitate **L** when bubbled through lime water.

a) Name the following substances:

i) Compound **X** **(½ Mark)**

_____

ii) Solution **W** **(½ Mark)**

_____

iii) Gas **Y** **(½Mark)**

_____

iv) White precipitate **L** **(½ Mark)**

_____

b) Write a balanced chemical equation for the reaction that took place **(1 Mark)**

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8.Explain the following observations:

a) All group VIII elements are gases at room temperature **(1 Mark)**

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b) Sodium has a lower melting point than magnesium **(2 Marks)**

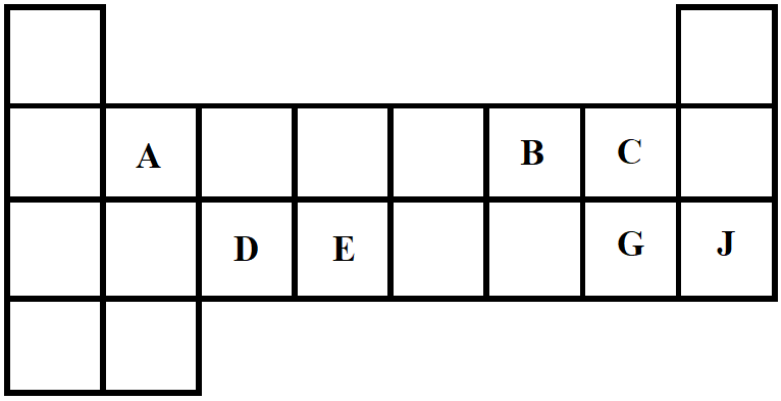
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9.The grid below shows a section of the periodic table. The letters **A**, **B**, **C**, **D**, **E**, **G** and **J** do not represent the actual symbols of elements.



a) Write the formulae of

i) Hydroxide of **D** **(½ Marks)**

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ii) Hydrogen carbonate of **A** **(½ Marks)**

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b) Draw a dot (•) and cross (×) diagram for the compound formed between elements **A** and **G** **(2 Marks)**

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10. Element **Q** has an electron configuration of **2.8.2** while element **R** has an electron configuration of **2.4.** Solid samples of elements **Q** and **R** were burnt in air, then water added separately to the resultant products. State the effect of the resultant solutions on both red and blue litmus paper:

a) Solution of product of **Q** **(1 Mark)**

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b) Solution of product of **R** **(1 Mark)**

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11. The reactivity of the alkaline earth metals increases down the group, while the reactivity of the halogens decreases down the group. Explain this observation. **(3 Marks)**

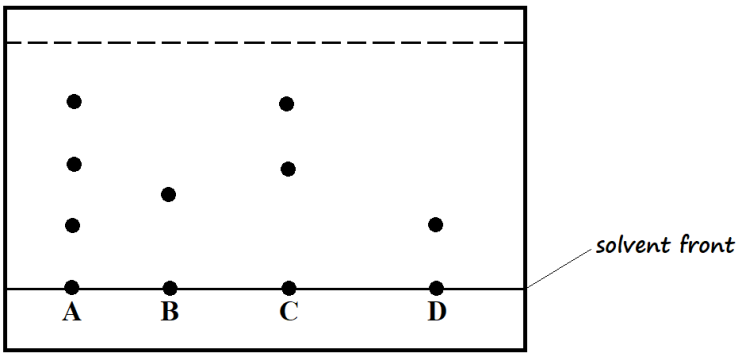
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a) Identify a mistake on the diagram **(1 Mark)**

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b) Which two dyes, when mixed, would produce dye **A**? **(1 Mark)**

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c) Which dye is pure? (1 Mark)

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12. A mixture contains iron (III) chloride, calcium chloride, and iron filings. Describe how one can separate and obtain pure substances from the mixture. **(3 Marks)**

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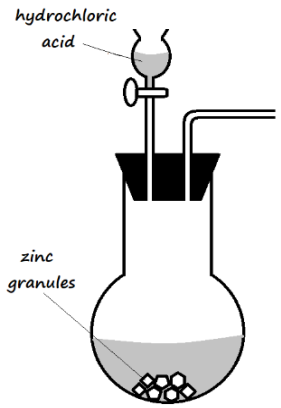
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13. The setup below was used to prepare hydrogen gas in the laboratory



a) Complete the diagram to show how a dry sample of hydrogen gas can be collected **(2 Marks)**

b) Name a substance which may be added into the flask to speed up the production of the hydrogen gas **(1 Mark)**

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14. A certain element formed a compound with the chemical formula $Fe_2O_3 \cdot xH_2O$ when left open in the atmosphere.

a) Name the compound **(1 Mark)**

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b) In temperate countries, salt is put on roads during winter. Explain the reason for this practice **(1 Mark)**

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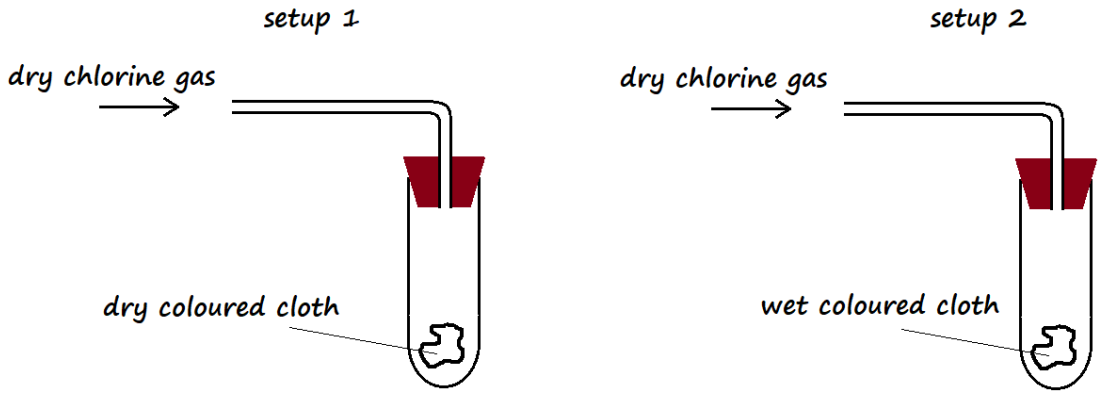
c) Why is does this practice raise great concern to motorists? **(1 Mark)**

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15. Study the diagrams below and answer the questions that follow.



a) State the observation made in

i) Setup **I** **(½ Mark)**

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ii) Setup **II** **(½ Mark)**

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b) Explain the observation made in setup **I** above **(2 Marks)**

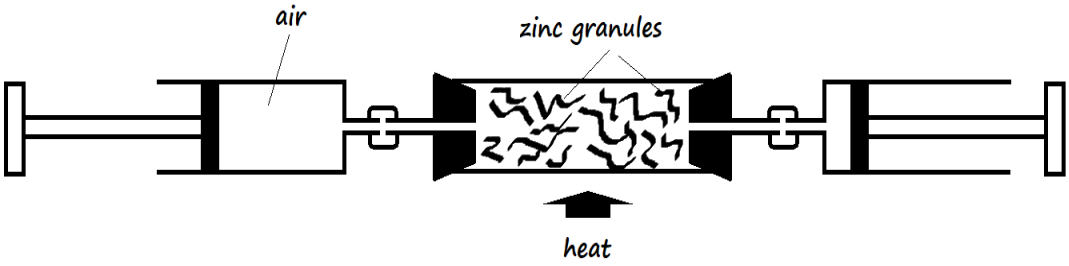
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16. In an experiment, a certain volume of air was repeatedly passed between two syringes over heated zinc granules, as shown below.



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a) Why was air passed repeatedly over the heated copper? **(1 Mark)**

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b) The experiment was repeated using magnesium ribbon instead of copper turnings. In which experiment was the change in volume greater? Explain. **(2 Marks)**

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17. Copper (II) oxide and powdered charcoal are both black. How can zinc granules be used to distinguish between the two substances? **(2 Marks)**

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18. Explain the main disadvantage of using the method of painting as a method of protecting iron surfaces from rusting **(2 Marks)**

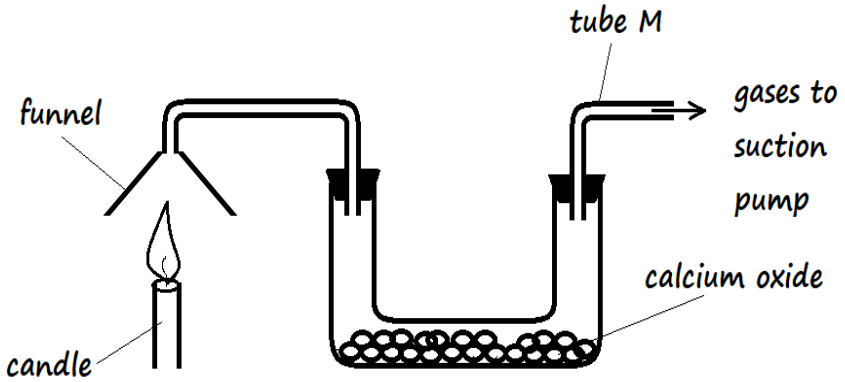
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19. The products of a burning candle were passed through a U-tube as shown in the setup below.



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a) State the role of calcium oxide in the setup **(1 Mark)**

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b) Name the gas that came out through tube **M** **(1 Mark)**

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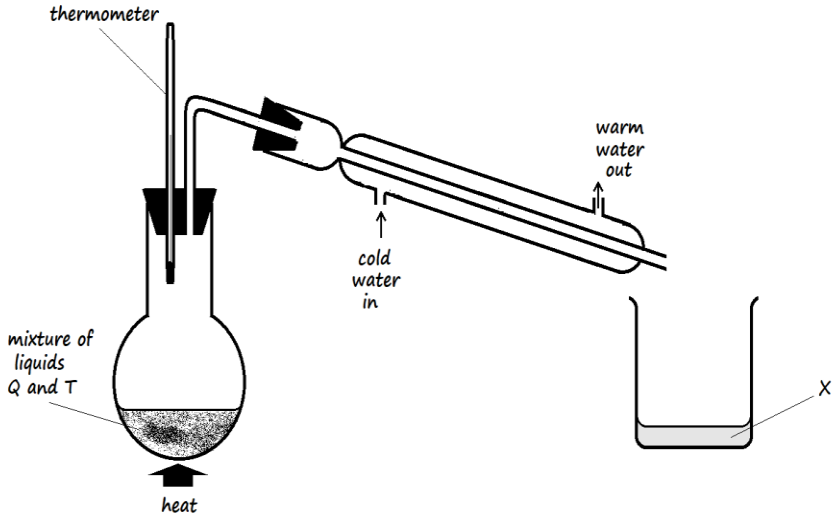
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c) State the observation that would be made in the U-tube if calcium oxide is replaced with anhydrous cobalt (II) chloride **(1 Mark)**

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20. The setup below was used to separate two miscible liquids **Q** and **T** whose boiling points are 98°C and 78°C respectively



a) Identify **two** mistakes made in arranging the setup **(2 Marks)**

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b) Identify **X** when the thermometer reads 80°C **(1 Mark)**

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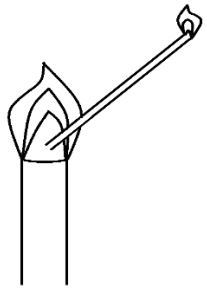
c) What property makes the components of the mixture separable using this setup when the necessary corrections have been made? **(1 Mark)**

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21. The setup below demonstrates an experiment that was carried out on a Bunsen burner flame in the laboratory



a) What does the experiment show? **(1 Mark)**

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b) Which type of flame is this? **(1 Mark)**

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c) State **one** other characteristic of this flame, other than the one shown in the setup **(1 Mark)**

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22. Pure nitrogen can be obtained from air through fractional distillation of liquefied air. Why is it possible to separate the components of air? **(2 Marks)**

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23. A spatula of zinc powder was added to a test tube containing hydrochloric acid. A colourless gas was evolved. State the identity of the gas and a test that would confirm your answer **(2 Marks)**

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24. Explain the following observations:

a) The melting points of alkali metals decrease down the group **(2 Marks)**

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b) The element hydrogen can be placed in group I and group VII **(1 Mark)**

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25. When a spatula of calcium metal is put in water, a fizzing sound is heard, and the resultant solution has a white appearance. Explain. **(2 Marks)**

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26. In the extraction of oil from cashew nut in the laboratory, the seeds were first crushed and then propanone was added as crushing continued.

a) Why were the seeds first crushed? **(1 Mark)**

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b) What would be the effect of using water instead of propanone? Explain **(2 Marks)**

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27. An unknown element is assigned the symbol **Jw**. When the oxide of **Jw** is dissolved in water, the resultant solution turns blue litmus paper red, while red litmus paper remains red.

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a) State and explain the relationship between the atomic radius and ionic radius of **Jw**. **(2 Marks)**

b) What is the most likely observation made if a spatula of sodium hydrogen carbonate powder is added to the flask containing a solution of the oxide of **Jw**? Explain **(2 Marks)**

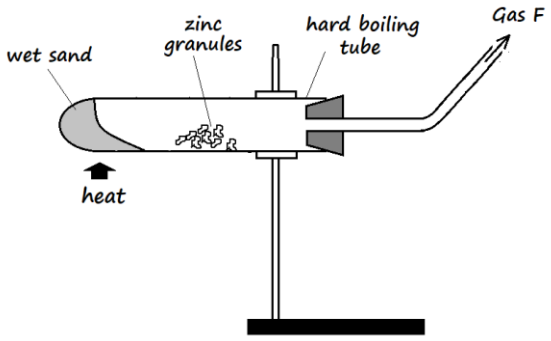
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28. A student used the setup shown in the diagram below to study the reactions of some metals with steam.



a) What observation is made when **gas F** is ignited? **(1 Mark)**

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b) When the experiment was repeated using iron powder instead of zinc granules, only a small volume of **gas F** was obtained. Give a reason for this observation. **(1 Mark)**

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c) The wet sand was heated before heating the zinc granules. Explain **(1 Mark)**

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……..

SCHOOL: ……...

ADM NO: …… SIGN: …… DATE: ……...

COMPUTER STUDIES (QUESTION PAPER)

FORM TWO (2)

TIME: 2½ HOURS

INSTRUCTIONS TO CANDIDATES

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

Sign and write the name of examination in the spaces provided above.

*This paper consists of **TWO** sections; **A** and **B.***

*Answer **ALL** the questions in section **A**. and **B***

All answers should be written in the spaces provided on the question paper.

For official Use Only

Section	Question	Candidates Score
A	1-15	
	16	
	17	
	18	
	19	
TOTAL	100	

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Section A (40 marks) Answer ALL the Questions in this Section.

1.State the meaning of the term computer software. **(2marks)**

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2.State three features of fifth generation computers **(3marks)**

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3.Differentiate between home page and web page as used in the internet **(2marks)**

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4.State three characteristics of mainframe computers **(3marks)**

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5.The management of an organization intends to purchase a printer. State three factors that they should consider during purchase. **(3marks)**

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6.Describe each of the following computer cables:

i.) Parallel cables; **(2 marks)**

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ii.) Serial cables; **(2 marks)**

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7.A computer technician has observed a lot of dust on the computers in computer laboratory. State three precautions that need to be put in place to avoid this. **(3marks)**

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8.Explain the term proofreading as used in word processing. **(2marks)**

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9.State the function of each of the following computer keyboard keys when using a word processor:

i.) End **(1mark)**

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ii.) Insert **(1mark)**

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iii.) Backspace **(1mark)**

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10. Explain two problems associated with the computer hard disk. **(4marks)**

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11. State the spreadsheet function that can be used to obtain each of the following values in a worksheet:

i.) Number of cells with values in a column. **(1mark)**

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ii.) Mean of values in a range of cells. **(1mark)**

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12. A school intends to install internet communication service in school. State any three advantages of this service to the students. **(3marks)**

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13. State two ways in which one can create a password which cannot be easily accessed by hackers. **(2marks)**

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14. State two ways through which a computer user can minimize Repetitive Strain Injuries (RSI) associated with the use of a computer. **(2marks)**

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15. Identify four tasks that can be achieved using a Desktop Publishing program from the following list of tasks. **(2 mks)**

i.) Managing students records in school

ii.) Creation a calendar

iii.) Designing a building structure

iv.) Creating a banner

v.) Creating a book cover

vi.) Processing of examination results

vii.) Creating business cards.

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SECTION B. (60 marks)

Answer ALL the Questions in this Section

16. a) Give any three differences between label and value. **(3mks)**

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b) Use the table below to answer questions that follows use relative cell reference where applicable

	A	B	C	D	E	F	G	H
1	NAME	GENDER	BASIC PAY	ALLOWANCE	GROSSPAY	TAX	NET PAY	RANK
2	KEN	M	56000					
3	ANN	F	54000					
4	JOY	F	52000					
5	FRED	M	50000					
6	SAM	M	48000					
7								
8			0.15					
9								

Given that:

The male get 20% of the basic salary allowance while the female get 25% of basic salary allowance

Gross pay = Basic salary + Allowance

Every employee is taxed 15% of the Gross pay

Net pay = Gross pay – tax

Write the formula to calculate:

i) Ken's Allowance_____ **(2mks)**

ii) Ann's Gross pay_____ **(1mk)**

iii) Joy's Tax_____ **(2mks)**

iv) Fred net pay_____ **(1mk)**

v) Sam's Rank to see if the highest pay_____

_____ **(2mks)**

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c) Explain the following database components. **(3mks)**

i) Worksheet

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ii) Database

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iii) Graph

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d) What is a cell **(1mk)**

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17. a) What is a database? **(1mk)**

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b) Give any three advantages of electronic database. **(3mks)**

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c) Differentiate between. **(6mks)**

i.) Default value and caption

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ii.) Validation rule and validation text

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iii.) Indexed and primary key.

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d) What is a control as used in database? **(1mk)**

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e) Explain the function of forms in database. **(1mk)**

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f) State any three examples of action query. **(3mks)**

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18. Copyright laws are laws granting authors the exclusive privilege to produce, distribute, perform or display their creative works. It is a legal framework for protecting the works such as book publishing, motion-picture production and recording. State two challenges that are posed to these laws by ICT **(2 marks)**

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b) Explain how data in a computer system is secured using: **(4 marks)**

(i) Password

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(ii) User access level

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c) State three characteristics of a suitable password. **(3marks)**

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d) State two characteristics of a computer that is infected by computer viruses **(2marks)**

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e) State two measures that can be put in place to control piracy of software **(2marks)**

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f) Pesa Mingi Company has offices in Nairobi and Kampala connected to a network. The management is convinced that someone is illegally gaining access to the data in their computers. State Two ways in which the company can overcome this problem. **(2marks)**

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19. a What is word processor software? (1mk)

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b) Give any three paragraph formatting feature used in MS. Word. **(3mks)**

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c) State the meaning of the following short cut commands as used in word processor. **(4mks)**

i Ctrl + C_____

ii Ctrl + V_____

iii Ctrl + F_____

iv Ctrl + S_____

d) State any **two** examples of drop caps that can be used in text formatting. **(2mks)**

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d) Study the text below and answer questions that follow

WHAT IS A METHODOLOGY?

The term methodology is not well defined either in Literature or by practitioners. There is very little agreement as to what it means other than at a general level. The term is usually used very loosely and yet it is used very extensively.

This loose use does not mean that there are no definitions, simply that there are no universally agreed definition[s]. At The General Level, It Is Regarded as a recommended series of steps and procedures to be followed in the course and developing an information system. In a brief *a d h o c* survey, this proves to be about the maximum that people will agree to and of course such a definition raises many more questions than it answers.

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Identify any four formatting features used in the above paragraph. **(4mks)**

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f) What is a word wrap? **(1mk)**

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……..

SCHOOL: ……...

ADM NO: …… **SIGN:** …… **DATE:** ……...

CRE (QUESTION PAPER)

FORM TWO (2)

TIME: 2 HOURS

Instructions: Answer all the questions

1 a) Give **five** causes of the original sin from the book of Genesis. **(5mks)**

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b) List down instructions that God gave to Abraham regarding circumcision. **(7mks)**

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c) Outline **six** moral teachings from the 10 commandments. **(6mks)**

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2a) State **seven** ways used by King David to promote the worship of God in Israel **(7mks)**

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b) What lessons would modern political leaders learn from King Solomon. **(6mks)**

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c) Describe the nature of the local Canaanite religion. (**7mks**)

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3(a) State Jeremiah's prophecy about the messiah. **(6mks)**

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b) State the message of Angel Gabriel about Jesus during the annunciation of his birth in Luke 1:32-35). **(7mks)**

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c) Give **seven** ways in which parents develop their children's spiritual life. **(7mks)**

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4a) With relevance to the sermon on the plain, state teachings of Jesus on how human beings should relate to one another. **(8mks)**

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b) Describe the incident in which Jesus forgave the sinful woman in Luke 7:36-50. **(8mks)**

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c) State ways in which Christians show their belief in God? **(6 mks)**

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5 a) State ways in which human beings venerated and communicated with spirits. **(7mks)**

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b) How do the aged in the Traditional African Communities prepare their family members before they die **(7mks)**

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c) How are conflicts solved in Traditional African Society **(6mks)**

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

DRAWING AND DESIGN (QUESTION PAPER)

FORM TWO

TIME 2½ HOURS

FOR EXAMINERS USE ONLY

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

INSTRUCTIONS TO CANDIDATES.

You should have the following for this examination:

- Drawing instruments
- 3 sheet of drawing paper size A3

This paper consists of THREE sections A, B and C.

Answer ALL the questions in section A and B and any TWO questions from section C.

Questions in section A must be answered on the answer sheets provided.

Questions in section B and C should be answered on the A3 drawing papers provided.

All dimensions are in millimeters unless otherwise stated.

Candidates may be penalized for not following the instructions given in this paper.

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SECTION A (55 marks)

Answer ALL the questions in this section.

1. A draftsperson needs some basic tools to draw. List any six drawing tools that can be used in a drafting office. **(3 Marks)**

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2. Define the following terms: **(5 marks)**

a. Polygon

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b. Circle.

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c. Triangle

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d. Tangent

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e. Ellipse .

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3. Construct a triangle with base angles 60 ° and 45 ° and an altitude of 76 mm**.** **(5 marks)**

4.(a) List two categories of metals used in making items in design. **(2 marks)**

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(b) Why are dimensioning symbols used? **(2 marks)**

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(c) Outline three characteristics of good lettering **(3marks)**

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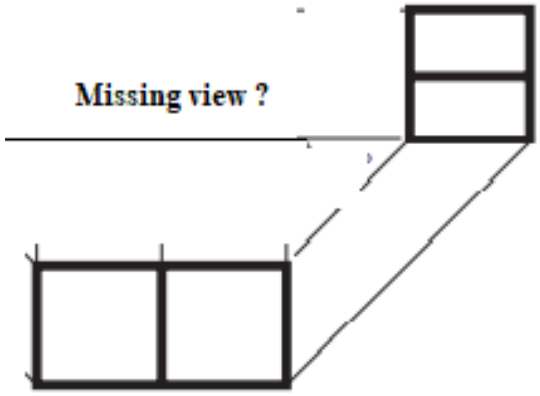
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5.Two views of a shaped block is shown in figure 3 below. Sketch the missing view. **(3 marks)**



6.Construct a regular heptagon within a circle, radius 30 mm. The corners of the heptagon must lie on the circumference of the circle. **(5 marks)**

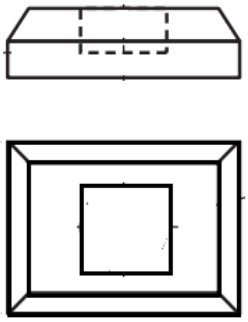
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7.Construct a regular pentagon having length of sides of 30 mm.

Reduce this pentagon to a square of equal area.

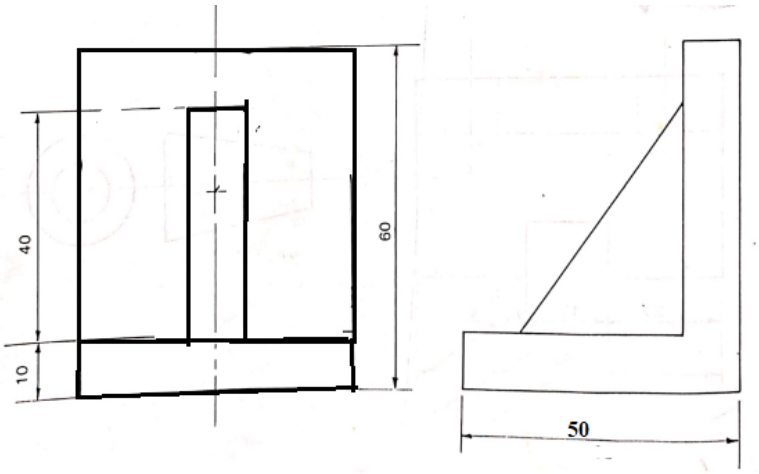
Measure and state the length of side of this square. **(7 marks)**

8.Sketch views given below in isometric. **(7 marks)**



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9.Two views of a block are shown below in figure 5 . Draw the block in two point perspective using the plan projection method. **(6 marks)**



10. To construct a diagonal scale, 30 mm 1 mm, 4 m long to read to 10 mm (7 marks)

Show the following measurements

(a) 1.130 m

(b) 2.480m

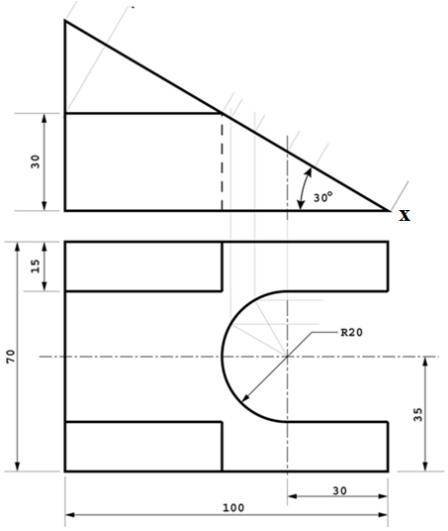
(c) 3.830m

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SECTION B 15 marks

This question is compulsory

11. Figure 1shows two views of a small casting. Draw, full size, an isometric projection of the casting with X as the lowest point **(15 marks)**

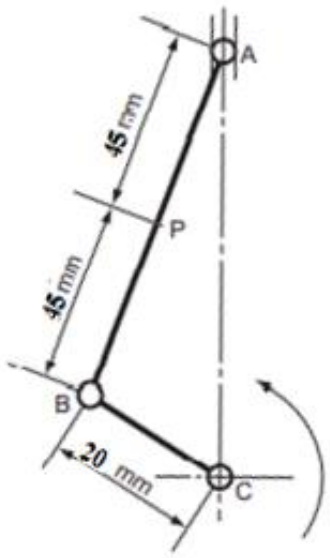


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SECTION C 30 MARKS

Answer any two questions from this section.

12. Figure 2 shows a sketch of the working parts, and the working parts represented by lines, of a moped engine. Using the line diagram only, and drawing in single lines only, plot, full size, the locus of the point P for one full turn of the crank BC.. Show all construction. **(15 marks)**

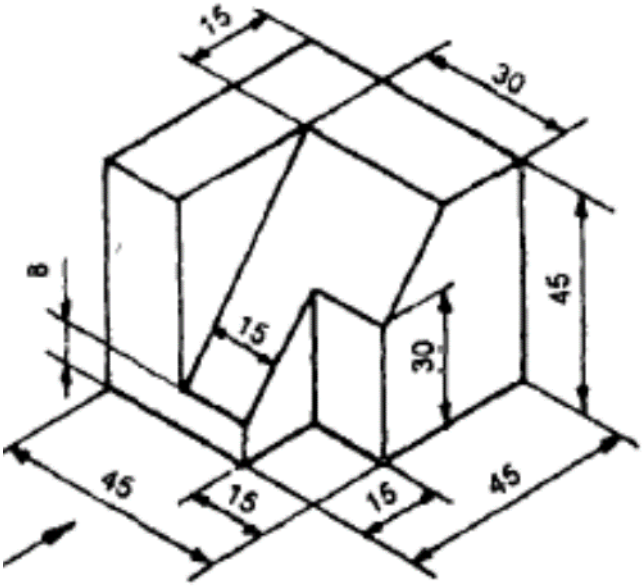


13. Figure 6 shows a block drawn in isometric . draw full size the following views in first angle projection. **(15 marks)**

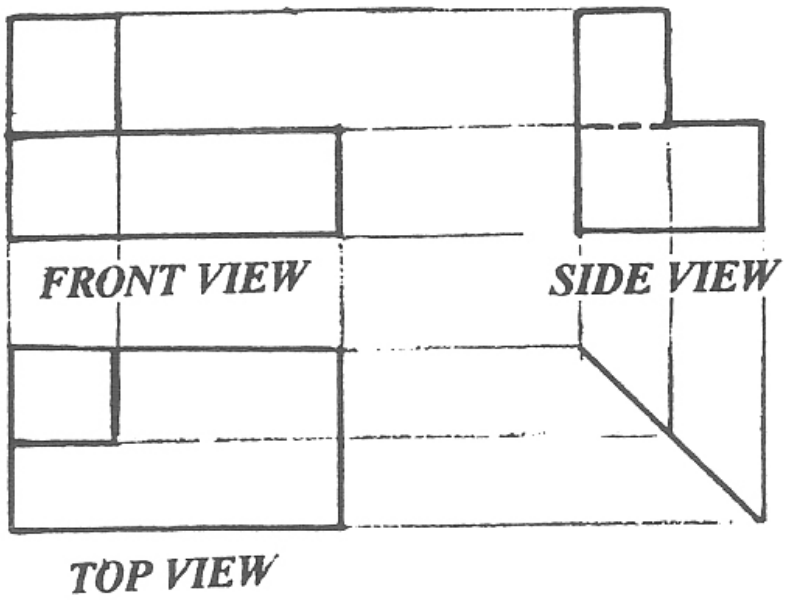
a. Front elevation as seen from right

b. End elevation

c. The plan



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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

ENGLISH (QUESTION PAPER)

FORM TWO (2)

TIME: 2½ HOURS

INSTRUCTIONS TO CANDIDATES

Write your name and admission number in the spaces provided above.

Answer **all** questions in this question paper in the spaces provided.

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	QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
1.	Writing	20marks	
2.	Cloze test	10marks	
3.	Oral skills	15marks	
4.	Comprehension	20marks	
5.	Oral literature	20marks	
6.	Grammar	15marks	
	TOTAL SCORE	100	

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1. IMAGINATIVE COMPOSITION

Write a composition beginning with:

It was going to be a wonderful day

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2.CLOZE TEST (10 MARKS)

Read the passage below and fill in each blank space with the most appropriate word.

Gambling addiction is (1) _____ the rise in Kenya leaving young people bankrupt and suicidal. Kenya is the third –largest gambling market in (2) _____ behind South Africa and Nigeria. (3) _____ losing Ksh. 48,000 on bad bets in just a few hours, Jackson Kimani was thinking of (4) _____ suicide.

The 26-year-old is a salaried employee. (5) _____ works at a mobile money agency in Nairobi. Kimani took money from his shop to put a stake on (6)_____ number of football games (7) _____ consecutively lost his bets. It was Saturday afternoon and Kimani says he was fortunate his manager didn't come in to check the balance.

On Sunday, he took (8) _____ chance and bet Kshs. 12000 on a number of games in European (9) _____. If he didn't recover whatever he took, he thought he would have to commit suicide (10)_____ he knew the police would swiftly catch him.

3.ORAL SKILLS (30MARKS)

a) Read the following poem and answer the questions that follow.

Be Ware

If you don't want a voice
With a bull-frog croak,
Take my advice:
Don't start to smoke

If you don't want bad breath
Like a dirty joke,
Take my advice:
Don't start to smoke

If you don't want lungs
Filled with sooty coke
Take my advice:
Don't start to smoke.

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If you don't want a heart
Renewing one you broke,

Take my advice:
Don't start to smoke.

By John Kitching

Questions:

1.Identify the rhyme scheme and comment about it. **(1mark)**

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2.Identify any two pairs of rhyming words in the poem. **(2marks)**

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3.Other than rhyme, which other sound pattern is evident in the poem. **(2marks)**

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b) Give a word that is pronounced the same as the following. **(3marks)**

i) Whale _____

ii) Missed _____

iii) You _____

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c) ***Identify the silent letter in each of the following words (3 marks)***

(i) Mutton

(ii) Sachet

(iii) Sword

d) ***The manager of smart uniform company calls to speak to the principal Upendo Secondary School. The secretary answers the phone call. Read the conversation below and then answer the questions.***

Secretary: (picks the phone) Hello, secretary Upendo Secondary school speaking

Manager: Hello, could I speak to the principal, please?

Secretary: May I know whom I am speaking to please?

Manager: Okay. Please remind him of our meeting in your school.

Secretary: That is alright. I will relay the message to him.

Manager: Thank you for your assistance. Goodbye

Secretary: Goodbye and thank you for calling.

i) Explain how the speakers employ etiquette in their conversational skills **(2 marks)**

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ii) Design a telephone message you would relate to the principal if you were the secretary **(2 marks)**

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4.COMPREHENSION

Read the passage below and answer the questions that follow

The process of developing social skills among children at an early age is important. Researchers have cited rejection by peers as the greatest challenge children face in their quest to build meaningful social skills. It has been reported that children who get bullied and snubbed by peers are more likely to have problems in relating with others. In recent times, researchers have found at least three factors in a child's behavior that can lead to social rejection. The factors involve a child's inability to pick up on and respond to nonverbal cues from their pals. In the United states 10 to 13 percent of school-going children experience some form of rejection by their peers. In addition to causing mental health problems, bullying and social isolation can increase the likelihood of a child getting poor grades, dropping out of school, or developing substance abuse problems.

It is reported that the social skills that children gain on the playground or elsewhere could show up later in life, according to Richard Lavoie, an expert in child social behaviour. He says that children experiment with the relationship styles they will have as adults during unstructured playtime-when children interact without the guidance of an **authority figure.** Researchers say that the number-one need of any human is to be liked by other humans. However, researchers have expressed concern that our children are like strangers in their own land. They don't understand the basic rules of social behaviour and their mistakes are usually unintentional.

Children who face rejection may have problems in at least one of three different areas of nonverbal communication, which is the reason they are rejected. These are reading nonverbal cues; understanding their social meaning; and coming up with options for resolving a social conflict. A child, for example, simply my not notice a person's scowl of impatience or understand what a tapped foot means. In another situation, a child may have trouble reconciling the desires of a friend with her own. Anyone trying to help children on their social skills should try to pinpoint the weaknesses a child has and then build those up.

When children have prolonged struggles with socializing, "a vicious cycle begins," children who are **shunned** by others have few opportunities to practice social skills whereas popular children have more than enough opportunities to perfect theirs. However, having just one or two friends can be enough to give a child the social practice he or she need.

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Parents, teachers and other adults in a child's life can help, too. Instead of reacting with anger or embarrassment to a child who, say, asks Aunt Vera if her new hairdo was a mistake, parents should teach social skills with the same tone they use for teaching numeracy skills or proper hygiene. If presented as a learning opportunity, rather than a punishment, children usually appreciate the lesson. It is important to note that most children are so desperate to have friends that they **just jump on board.**

To teach social skills, Lavoie advises a five-step approach in his book. The process works for children with or without learning disabilities and is best conducted immediately after a wrongdoing has been made. First, ask the child what happened and listen without judgment. Second, ask the child to identify their mistake. Often children only know that someone got upset, but don't understand their own role in the outcome. Third, help the child identify the cue they missed or mistake they made, by asking something like: "How would you feel if Emma was hogging the tyre swing?" Instead of lecturing with the word "should," offer options the child "could" have taken in the moment, such as "You could have asked Emma to join you or told her you would give her the swing after your turn. "Fourth, you can create an imaginary but similar scenario where the child can make the right choice. For example, you could say, "If you were playing with a shovel in the sand box and Aiden wanted to use it, what would you do?" Lastly, give the child" social homework" by asking him to practice this new skill, saying: "Now that you know the importance of sharing, I want to hear about something you share tomorrow."

(Adapted from livescience.com-Tue Feb 2, 2010)

Questions

a) In one sentence, explain what this passage is talking about? **(2marks)**

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b) What is the number one need of any human being? **(1mark)**

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c) What are cited as the causes for social rejection according to the passage **(2marks)**

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d) What is social rejection likely to lead to **(2marks)**

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e) What vicious cycle is referred to in this passage **(2marks)**

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f) How can a parent make children appreciate the lesson on social skills? **(2marks)**

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f) "How would you feel if Emma was hogging the tyre swing?" Re-write in reported speech. **(1mark)**

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g) Make notes on the five-step approach to teach children social skills **(5marks)**

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h) Explain the meanings of the following words and phrases as used in the passage (3marks)

i. Authority figure ……

ii. Shunned ……

iii. Jump on board ……

5.ORAL LITERATURE

Read the following narrative then answer the questions that follow **(20marks)**

Once upon a time Hare and Hyena were very good friends. They visited each other every day and herded their cows together.

There came a time when the cows started dying one after the other. The two friends wanted to find out why the cows were dying. Hare said, 'Let us go and kill our mothers and take out their livers. We shall then cook and taste these livers. The bitter liver will show whose mother was making the cows die. At once Hyena went and killed his mother. He took out the liver and cooked it. Hare went and hid his mother in the garden in bushy banana plants. He then went and killed an antelope, took out its liver and cooked it.

The two friends met to eat their livers. "My liver is very bitter", said the Hyena. "Mine is very sweet," said Hare, "So it was your mother who was making the cows die." Hyena kept quiet and went home feeling sad. He moved from the old house to a smaller one because now he had no mother. Hare did the same

After a short time, there was great famine in the land. The two friends decided that each of them was to look for food on alternate days sharing, on an equal basis what was available. When it was Hyena's turn, he went and found only honeycombs without any honey. When Hyena brought these, Hare refused this because he had secretly gone to his mother who had given him some bananas. This went on for many days, and Hyena grew thinner and thinner. Then he started wondering. "How does my friend remain fat and he doesn't eat anything. I will find out."

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One day he followed Hare. Hare went to his mother as usual. 'Mother, mother, I have come' and the mother dropped some bananas which Hare ate quickly. He then looked for some honeycombs and took them to the friend. "This is all I could find my friend." The Hyena kept quiet. The next day he went to the banana plant and called. His voice however was very deep and no bananas were dropped for him.

There was an old hyena who was staying at the end of the forest and used to give advice to people. So Hare's friend went to her and told her his problem. "Go and put your tongue on the path of black ants," He was told, "Let them bite your tongue until it hurts. That's how your voice will be soft."

Hyena went and did as he was told. When he went to Hare's mother his voice was as soft as Hare's. "Mother, mother I have come." And Hare's mother dropped bananas for his him. Then he told her to come and greet him. When she came down and saw it was Hyena she screamed but there was nobody near to help. Hyena killed her immediately.

Hyena went and met Hare as usual saying nothing about Hare's mother. The following day it was Hare's. "Mother, mother I have come.' And Hare's mother dropped bananas for his him. Then he told her to come and greet him. When she came down and saw it was Hyena she screamed but there was nobody near to help. Hyena killed her immediately.

Hyena went and met Hare as usual saying nothing about Hare's mother. The following day it was Hare's turn. He went to his usual place. "Mother" he called again. He climbed up. There was nobody. Having seen some blood on the ground, Hare knew what had happened to his mother.

When Hare got back to Hyena's house, he said nothing. At night, Hare took all cows including Hyena's and went away to live in another part of the country. That ended the Hare and Hyena's friendship. And that is the end of my story to you.

Questions

a) With illustrations, classify the above narrative **(2marks)**

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b) Identify three features of narratives **(3marks)**

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c) Identify three features in this story that are characteristics of oral narratives **(3marks)**

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d) Briefly explain the character traits of the following **(4marks)**

i. Hare ……

ii. Hyena ……

e) What moral lesson do you learn from this story? **(2marks)**

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f) Identify two socio-economic activities from the community in which the narrative is taken from. **(1mark)**

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6.GRAMMAR

i) **Fill in the blank space with the most appropriate interjection. (2marks)**

a) **……**What a beautiful dress.

b) **…… I** have hurt my knee.

ii) **Use the most suitable form of the word in brackets to fill in the blank spaces. (3marks)**

a) My lawn **……** (cut) once a week.

b) We**……**(ask) by the teacher tomorrow

c) The fire brigade**……**(phone) by neighbors soon after fire had broken out.

iii) **Fill in the blanks with correct words from the brackets. (3marks).**

a) All the guests will be **……**(dinning/dining) with the queen tonight.

b) The people of Kameno shunned chege"s**……**(prophecy/prophesy) about the coming of the white men.

c) Children should always listen to their parents pieces of**……..**(advice/advise)

iv) **Change the following sentences into passive.**

a) Njoroge wrote the best composition.

b) Sue bought the beautiful house on the hill.

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v) **Rewrite the following sentences putting the adjectives in brackets in their correct order.**

a) The old woman keeps a (black big fat) cat

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b) Mr. Musumba likes wearing his (white old cotton) shirt.

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c) She gave me a (metal small square) box.

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vi) Rewrite the following sentences according to instructions given after each.

a) John told the principal that he needed to go and see the nurse because he was feeling unwell. (write in direct speech)

b) These books belong to the daughters of our teachers. (End with the word books.

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……..……

SCHOOL: ……..……...

ADM NO: …… SIGN: …… DATE: ……...

FRENCH (QUESTION PAPER)

FORM TWO (2)

TIME: 2 HOURS

INSRUCTIONS; ANSWER ALL THE QUESTIONS

Reading comprehension passages

Passage one

Je m'appelle Hugo et j'ai seize ans .Aujourd'hui, avec mes parents et ma sœur nous partons en voyage .Ma sœur s'appelle Laura ,elle a treize ans .Nous sommes à l aéroport :direction Barcelone en Espagne !

J'ai déjà pris l'avion car nous sommes allés à Rome en Italie, il y a deux semaines .A Barcelone , mes parents ont réservé' un appartement près de la plage .Mes parents souhaitent louer des vélos pour visiter Barcelone .Ils veulent admirer la célèbre Sagranda Familia ,se balader dans le parc Güell et goûter la nourriture locale .Moi ,je veux aller au zoo et à l'aquarium ….et manger des glaces .Ma sœur préfère aller à la plage pour lire et bronzer .

Nous séjournons pendant deux semaines à Barcelone .

J'espère' qu'il y aura beaucoup de soleil. Je n'aime pas la pluie , surtout pendant les vacances.

Questions

1.Victor Hugo a plus de vingt ans , -2 pts

☐ Vrai ☐ faux . Cochez la bonne réponse ,

Justifiez votre réponse **……..**

2 : Où vont ---ils en vacances ?…. **……..(0.5 pts)**

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3 : Quel moyen de transport utilisent –ils pour aller à Barcelone**……. ? (1 pt)**

4 :Qu'est –qu'il souhaite visiter **?.....(1 pt)**

5:Pendant combien de temps séjournent –ils a' Barcelone **(1 pt)**

6:Selon vous est ce que Victor aime les animaux ?**.....**

Pourquoi-?**(1 pt)……**

7. Trouvez dans le texte, les synonymes des mots suivants. **;(1 pts)**

(a) Bicyclettes **……..**

(b)Se promener **……**

Passage 2

J'habite une belle ville dans le nord de la France .Ill y a un quartier très agréable pour aller se balader ,Lorsqu'il fait beau. Il est possible de faire du vélo dans un parc autour d'une citadelle fortifiée.

Dans le centre de la ville, il y a un très joli quartier ,plein de magasins chics et de bons restaurants .Pour se déplacer il y a de bus ,des vélos et un métro .C'est pratique pour aller d'un centre commercial à un autre ,pour aller à la piscine ,au stade ou encore au théâtre ,parce que la ville est très grande .

Il est agréable de marcher dans les petites rues pour admirer l'architecture des maisons anciennes.

Questions

1 : Est –ce que l'auteur habite à la campagne **……..?**

Justifiez votre réponse**……..……(1 pt)**

2 : Pendant quel temps peut –on se balader **?..... (1 pt)**

3 : Donnez les contraires des mots suivants**(1.5 pts)**

Exemple ; une fille -----un garçon

(a) frères**……..**

(b) Grande **……..**

(C) Gentile **……..**

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4 : Quelles sont les activités possibles ?

a)la natation (B) l'équitation © l'escalade .

pourquoi ?

……..

5. Mettez au négatif (2 pts)

(a) ll est agréable de marcher dans les petites rues.

(b) Dans la centre-ville ,il y a un quartier .

A: Rewrite the following sentences in passé composé

I. Je mange un gâteau.

II. Nous nous habillons en rouge.

III. Les amis de mon frère viennent le matin.

IV. Marie et Juliette montent la colline.

V. Je vis en France.

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B. Re-write the following in futur proche .

1) Les enfants nagent à la piscine.

2) Vous vous amusez à la plage.

3) Tu pars en vacances en avril.

4) Je téléphone à mes parents.

5) Les employés construisent une belle maison.

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C) Conjugate the verbs in brackets in the present tense

Marianne n----------(aimer) pas le sport.

Elle**……..….**(dire)que le sport est très fatiguant .Le

Sport ----------(être)obligatoire dans son école ,Elle ----------(préférer)nager à la piscine de l'école. Cependant ,elle ----------(vouloir)être entraineur de natation car elle**…….……**(pouvoir) bien nager .

D. Beginning as indicated, rewrite the following sentences making all appropriate changes. Avoid unnecessary repetition.

Exemple :Tu aimes Marie ?

Oui,je**…….-----.**

Oui, je l' aime.

A)Pierre parle à son amie Annete?

Non ,il **…….**

B)Vous voulez de la viande?

Oui,**…….**

C) Est- que les Laroche viennent de la rivière?

Bien sûr, ils**……**

E)Ce professeur aime ses étudiants?

Sans doute, il.**……..**

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F)Dismas, travaille-t-il à L' université Kenyatta ?

Non ,il ne --------

G)Est–ce que papa lit le journal d' aujourd'hui ?

-Oui, il**……**

H)Le professeur de chimie punit l'étudiante méchante ?

Bien sûr, il**…….**

i) Est –ce que vous aimez l'image sur le mur ?

-Mais si je –**……..**beaucoup.

E) Complete the statements below with the appropriate expressions : en retard ,en avance à l'heure

Le match commence à 15h00. Mes deux amis arrivent au terrain du sport à 15 h20.Ils sont --**…….**

L'examen commence à 08h00.Le professeur arrive en classe à 07h 47.Il est –**……**

La fête est à18h00 .Les invités y arrivent à 1800 pile.Ils sont**……**

I. F .Write the following sentences in plural. 5mks

II. L'étudiant finit son devoir demain.
III. Ma robe est très sale.
IV. Son amie travaille dur .
V. Mon frère se douche très tôt le matin.

G)Complete the following sentences by changing the adjective in bracket to an adverb – 5mks

Exemple : *Il parle…… ……(lent)*

Il parle lentement.

1)La petite fille a chanté**……..…….**(courageux)

(II) Ils passent I 'examen**…….**(silencieux)

(Iii)Je n'aime pas ce chauffeur Il conduit **……..……**(rapide)

(iv)Nous aimons notre professeur ,il explique ses leçons

……(clair)

(V)**……**..(actuel),je suis professeur de français à l' école Bidii .

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I .Write the following figures in words - 3 marks

i) 847……

II)2,022……

III)7,398……

J(Answer the following as in the example given .

Quelle heure est-il?

Exemple : 11h17 -Il est onze heures dix sept.

(I)10 h 23

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II)22h 49

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III)07 h 15

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……..

SCHOOL: ……...

ADM NO: …… **SIGN:** …… **DATE:** ……...

GEOGRAPHY (QUESTION PAPER)

FORM 2

TIME 2 HOURS 30 MINUTES

INSTRUCTIONS:

a). Write your name, class and Admission number in the spaces provided above.

b). Answer all the questions

c). All answers must be written in the space provided in this booklet.

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ATTEMPT ALL QUESTIONS

1 (a) What is a land breeze? **[2mks]**

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(b) State three ways in which sea breezes influence the adjacent land **[3mks]**

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2. (a) For each of the following rocks, include the metamorphic equivalent **[2mks]**

Original rock	Metamorphic rocks
Limestone	
Clay	

(b) List three characteristics of sedimentary rocks **[3mks]**

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3. a) Name two type of boundaries associated with the plate tectonic theory **[2mks]**

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(b) Give three effects of the movement of tectonic movement **[3mks]**

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4. (a) Name one fold mountain in

(i) Asia ……..

(ii) South Africa …….

(b) Apart from the Fold Mountains, name three other features resulting from folding **[3mks]**

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5. (a) Give two uses of diamond

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(b) Identify three problems facing diamond mining in South Africa **[3mks]**

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6. The table below represents rainfall and temperatures of station Y. Use it to answer the questions (a) and (b)

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temperature $0^{o}C$	30	31	31	31	30	29	28	29	29	29	29	30
Rainfall (mm)	250	250	325	300	213	25	25	25	25	275	380	200

(a)i} Calculate the annual range of temperature of station **y** **[2mks]**

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{ii}Compute the total annual rainfall for station y **[2mks]**

{b}describe the climate characteristics of station y **[6mks]**

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{c}State three significance of weather forecasting to the human activities **[3mks]**

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7(a){i} Define faulting **(1mk)**

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{ii}Identify three types of faults **(3mks)**

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(b){i} Apart from compressional process explain two other processes that may cause faulting **(4mks)**

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{ii} Apart from Rift Valley, name three other relief features that were formed by faulting **(3mks)**

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(c) You intend to carry out a field study in a nearby place where faulting has occurred

{i} identify two appropriate method you would use to collect data **(2mks)**

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{ii} What are the likely problems you would face in your study **(2mks)**

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8.a{i} What is vulcanicity? **(1mk)**

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{ii} Name three intrusive volcanic features **(3mks)**

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{iii} State four negative effects of vulcanicity in Kenya **(4mks)**

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(b) You intend to carry out a field study of a volcanic landscape;

{i} State four reasons why it is necessary to carry out a reconnaissance of the area of study **[4mks]**

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{ii} During your field study, you intend to study volcanic rocks. State why you would need the following items;

- Hammer **(1mk]**

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- A polythene bag **(1mk)**

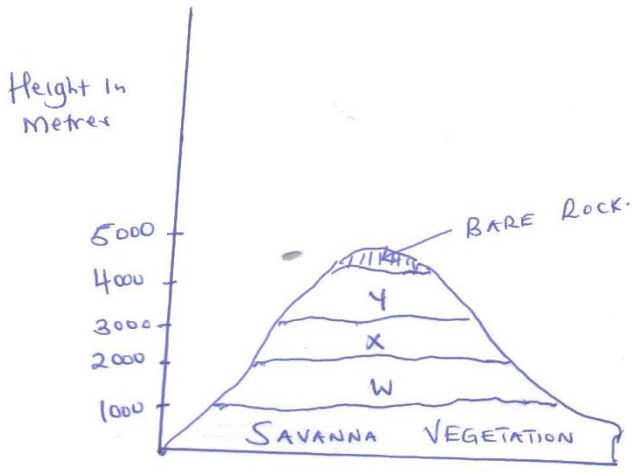
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9.a{i}The diagram below represents zones of natural vegetation on a mountain in Africa. Use it to answer question (a)i} and {ii}



(a)i}Name the vegetation zones marked **(3mks)**

- **W**……
- **X**……
- **Y**……

{ii}Describe the characteristics of savanna vegetation **(3mks}**

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{iii}Name the temperature grasslands found in the following countries

- Canada……
- Russia ……
- Australia……

(b)Explain three causes of decline of area under forest in Kenya **(6mks)**

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10.a){i}Give two examples of energy minerals **(3mks)**

Minerals	**Area mined**
Fluospar	
	Kariandusi
Trona	

(b)i} Name two leading importers of Soda ash form Kenya in Africa **(2mks]**

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{ii}State three benefits of Trona Mining in Kenya's economy **(3mk)**

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(c)i} Name two by-product of crude oil **(2mks)**

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{ii}State three problems associated with oil mining (3mks)

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

HISTORY AND GOVERNMENT (QUESTION PAPER)

FORM TWO (2)

TIME: 2½ HOURS

INSTRUCTIONS TO CANDIDATES

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

B) Answer **ALL THE QUESTIONS** from section **A** in the spaces provided, THREE QUESTIONS from section B and **TWO QUESTION** from section **C** in the foolscaps provided.

C) Students should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

FOR EXAMINER'S USE ONLY

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

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SECTION A (25MRKS)-Answer all questions in this section

1.Give one branch in the study of History and Government **(1mk)**

2.Identify two reasons why early man lived in groups **(2mks)**

3.State one way in which poor transport has led to shortage of food in Africa **(1mk)**

4.List two inventions that have revolutionized food preservation in the 21st century **(2mks)**

5.What was the main reason for the migration of the Bantus from Shungwaya during pre-colonial period **(1mk)**

6.State two religious functions performed by Oloibon of the Maasai during pre-colonial period **(2mks)**

7.Identify two factors that led to the spread of Islamic religion in Kenyan coast in 1600 AD **(2mks)**

8.Name two main items of trade from the interior of Kenya during the Long Distance trade **(2mks)**

9.State two conditions that a person should meet to qualify to be a Kenyan citizen by birth **(2mks)**

10. Give one economic factor that promote national unity **(1mk)**

11. State the main reason why a Kenyan citizen should obey the law **(1mk)**

12. Identify one factor that facilitated the acquisition of slaves during Trans-Atlantic trade **(1mk)**

13. Name one earliest water vessel used by man as a means of transport **(1mk)**

14. Give one disadvantage of using coal as a source of industrial energy during the 19th century **(1mk)**

15. State the main factor that led to the growth of Kilwa as an early urban center in Africa **(1mk)**

16. Identify two ways in which centralization of authority contributed to the growth of Buganda kingdom **(2mks)**

17. State two ways in which direct democracy is exercised in Kenya **(2mks)**

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SECTION B (45 MKS)-Answer any THREE questions in this section

18 a) Identify five hunting methods used by man during Old Stone Age Period **(5mks)**

b) Describe the culture of early man during the Early Stone Age Period **(10mks)**

19 a) State five advantages of using currency system of trade **(5mks)**

b) Explain five ways in which West African communities benefited from Trans-Saharan trade **(10mks)**

20 a) Name five traditional forms of communication **(5mks)**

b) Explain five impacts of using internet as a source of information on History and Government **(10mks)**

21 a) State five factors that facilitated the growth of Asante kingdom **(5mks)**

b) Describe social organization of the Buganda kingdom up to 19^{th} century **(12mks)**

SECTION C (30MKS) - Answer any two questions in this section

22 a) Give three symbols of national unity in Kenya **(3mks)**

b) Explain six importance of National Integration in Kenya **(12mks)**

23 a) State three challenges faced in constitution making process in Kenya **(3mks)**

b) Describe the stages involved in constitution making process **(12mks)**

24 a) Give three circumstances under which rights and freedom of movement and residence can be limited **(3mks)**

b) Explain six social rights of an individual in Kenya **(12mk)**

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FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

HOME SCIENCE (QUESTION PAPER)

FORM TWO

TIME 2 HOURS

Instructions to students

a) *Write your name, admission number and class in the spaces provided*

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

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

d) *Answer* ***all*** *the questions in sections* ***A*** *and* ***B*** *and any* ***two*** *questions from section* ***C***

e) *Answers to all the questions must be written in the spaces provided in the paper*

f) Students should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing

g) Students should answer the questions in English

For examiner's use only

Section	Question	Maximum Score	Student's Score
A	1- 19	40	
B	20	20	
		20	
		20	
TOTAL SCORE		100	

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SECTION A: (40 marks)

*Answer **ALL** the questions in this section in the spaces provided.*

1.Give the scientific name of each of the following nutrients. **(2 marks)**

Vitamin B 1 **.....**

Vitamin E **……**

Vitamin C **……**

Vitamin A **……**

2.Give **two** rules to observe when taking body measurements. **(2 marks)**

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3.Identify **three** factors to consider when buying shoes. **(3 marks)**

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4.Suggest **two** benefits a consumer may get from advertising. **(1 mark)**

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5.Give your understanding of each of the following in drainage. **(3 marks**)

Sewer

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Manhole

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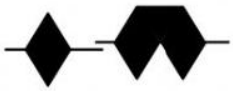
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Septic tank

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6.Fill the table below on pattern marking and symbols. **(4 marks)**

Symbol	Description	Purpose
		
		
		
		

7.Mention **two** differences between dry beriberi and wet beriberi. **(2 marks)**

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8.List **two** precautions to take when deep fat frying. **(2 marks)**

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9. Identify **two** diseases that can be transmitted through sharing water bottles. **(1 mark)**

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10. Give **two** advantages of boiling as a method of cooking. **(2 mark)**

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11. Mention **two** causes of anaemia other than poor iron intake in food. **(2 marks)**

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12. Identify **four** measurements that should be taken when making a pair of shorts. **(2 marks)**

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13. State **three** ways of avoiding worm infestation. **(3 marks**)

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14. Mention **three** precautions to take when using an electric iron. **(3 marks)**

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15. Suggest **two** reasons for sorting clothes before washing. **(2marks)**

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16. Give **two** uses of a seam ripper. **(1 mark)**

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17. Outline **two** reasons why consumers should be educated. **(2 marks)**

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18. Mention **two** reasons for lining a kitchen bin. **(1 mark)**

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19. Give **two** points to observe when working permanent stitches. **(2 marks)**

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SECTION B: (20 marks)

COMPULSORY

Answer question 20 in the spaces provided.

20. Your parents are planning to celebrate their 25th wedding anniversary and they have invited a number of their friends

a) . Give the steps you will follow in laundering and treating the white linen table cloth to be used for the occasion.

(12 marks)

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b) Outline the procedure you will follow in cleaning the polished wooden dining table **(8marks)**

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SECTION C: (40 marks)

*Answer any **two** questions from this section in the spaces provided at the end of this section.*

21.

a) Discuss **three** ways that the use of an article can affect the laundry process. **(6 marks)**

b) Explain **three** dangers of drug abuse in students. **(6 marks)**

c) Mention **four** ways a consumer can show integrity when shopping. **(4 marks)**

d) Give **four** ways of avoiding drowning during school holidays. **(4 marks)**

22.

a) Identify **four** information that a consumer can get from a packet of packed foodstuff. **(4 marks)**

b) Explain **three** reasons why linen is good for making dish cloths. **(6 marks)**

c) Mention **four** reasons why water is important in the diet. **(4 marks)**

d) Discuss **three** factors a young family should consider when choosing on where to live. **(6 marks)**

23.

a) Mention **three** ways of identifying textile fibres. **(3 marks)**

b) Discuss **three** dangers of having raw sewage flowing in a residential area. **(6 marks)**

c) Identify **five** ways conserving nutrients when cooking and preparing spinach. **(5 marks)**

d) Explain **three** qualities of a fabric suitable for making a swimming costume**.** **(6 marks)**

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……..

SCHOOL: ……...

ADM NO: …… **SIGN:** …… **DATE:** ……...

ISLAMIC RELIGIOUS EDUCATION (QUESTION PAPER)

FORM TWO

TIME 2 HOURS

ANSWER ALL THE QUESTIONS

1.a)What are the etiquettes to be observed when reciting Qur`an **(10 mrks)**

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b) Give reasons as to why the Qur`an was not compiled into a book form during the time of the prophet. **(5mks)**

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2 a) Outline five reasons why the prophet discouraged the writing of Hadith. **(5 mks)**

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b) Explain ways in which the Sahabas helped in transmission of hadith. **(5 mks)**

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3 a) When does Ghusl become compulsory? **(5 mks)**

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b) When is it obligatory for a pilgrim to slaughter**?** **(5 mrks)**

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c) Explain the following terms **(10 mrks)**

i. Umrah

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ii. Ihram

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iii. Arafah

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iv. Miqat

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v. Sa`yi

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4 a) Enumerate the characteristics of revealed books **(5 mrks)**

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b) Discuss the need for revelation of Qur`an **(5 mrks)**

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c) Name the Ulul – Azm prophets and for each briefly explain his trials: - **(10 mrks)**

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5 a) Discuss the effects of sexual perversion in the society **(10 mrks)**

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b) Mention circumstances where the prophet practiced Sabr (patience) **(5 mks)**

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6) State the conditions for marriage **(5 mrks)**

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7 a) Explain the religious conditions of the pre-Islamic Arabia **(5 mrks)**

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b) Give reasons why Abu Bakr was chosen as the first Caliph after the Prophet`s death **(5 mrks)**

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

JINA: ……

SHULE: ……..

NAMBARI YA USAJILI: …… SAHIHI: …… TAREHE: ……

KISWAHILI (QUESTION PAPER)

FORM TWO

TIME 2½ HOURS

Maagizo:

1.Jibu maswali yote.

2.Majibu yote yaandikwe katika nafasi ulizoachiwa katika karatasi hii ya maswali

3.Majibu yote **lazima** yaandikwe kwa lugha ya Kiswahili

4.Karatasi hii ina kurasa 9 zilizopigwa chapa

5.Watahiniwa ni lazima wahakikishe kuwa kurasa zote za karatasi hii zimepigwa chapa sawasawa na kuwa maswali yote yamo.

Kwa Matumizi ya Mtihani Pekee.

Swali	Upeo	Alama
1. UFAHAMU	15	
2.MATUMIZI YA LUGHA	40	
3.ISIMUJAMII	10	
4.FASIHI SIMULIZI	15	
Jumla	80	

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UFAHAMU

Soma kifungu kifuatacho kisha ujibu maswali

Siku moja , mtu ambaye alijulikana kwa jina la Moto, alikuwa ameketi chini ya kivuli cha mbuyu. Alikuwa akifanya hivyo kwa kungojea kulungu kunaswa na mtego wake. Hapo mbuyuni, ndipo palikuwa na njia ya kulungu ya kwenda mtoni kunywa maji. Kupitia mbuyuni, iliwabidi kwanza wapitie pale mtegoni. Lakini kwa kuwa kwa siku hii ya leo wakati wao wa kunywa maji ulikuwa bado kuwadia, naye Moto, badala ya kurudi ili aje baadaye, akaonelea heri angojee hapo.

Haikuwa mara yake ya kwanza kutega kulungu. Alikuwa amewanasa wengi na kwa muda mrefu sana. Na ingawaje alifurahia nyama yao laini, ni kuwachuna ndiko alikokuzira. Hii ilikuwa ni kwa sababu ya vifaa butu vya mawe ya kuchonga alivyokuwa akitumia. Kwa sababu hii basi, haikuwa rahisi kuwachuna. Pia, alikuwa akiwala wabichi. Ili kujipa kazi akisubiri, akaonelea amtengenezee utunda mpenzi mkewe. Hakuwa na shida kuamua utunda huo ungekuwa wa namna gani. Nyakati hizo, shanga zilikuwa bado hazijavumbuliwa. Ni jiwe na mti tu ndivyo vilivyokuwapo, navyo ndivyo vilivyokuwa mali ghafi.

Kwa ala yake, jiwe la kuchonga, Moto akakata vijiti viwili. Kikubwa akakiita 'mama' na kidogo, 'baba'. Dhamira yake ilikuwa kumtengenezea mkewe ushanga na tembe zikiwa za mti. Akiweka kijiti mama chini, alitumia kijiti baba kupekejea tundu. Alifanya hivi kwa nguvu zake zote, Haja ilikuwa ni atoboe matundu mengi, halafu ayakate na kuyaviringisha na baadaye ayaunge na uzi wa mua ili apate huo ushanga. Akizidi kupekecha, na jasho kumtoka, na huku mawazo yake yote yakiwa juu ya uso wa mkewe, hakuwa ameona cheche zikianguka juu ya majani makavu yaliyokuwa katikati ya mapaja yake. Alichokisikia kwa ghafla, kilikuwa ni kuchomeka na kuona moshi ukifusika. Alishtuka na akaruka kwa woga. Hakuwa ameshawahi kuona kioja kama hiki maishani!

Huku akitetemeka kwa hofu, cheche hiyo ikaanza kusambaa. Ilijieneza kwa haraka na kuwasha majani, nyasi na miti. Sasa ikawa imepata nguvu na kuenea kwa upesi na kumeza vichaka na misitu iliyokuwa mbele yake. Kuangalia hivi, akajiona amesimama peupe! Kutoka kwa upande wa mtegoni, kukaja harufu nzuri ya kunukia. Alifuata na alipofika, akaona kulungu ambaye alikuwa ameshikwa na mtego, ameokwa vizuri sana na nguvu hizo ngeni. Hakujua zinaitwaje wala hakujua aziiteje. Kwa hivyo, hakuwa ameshawahi kuona ama kuonja kitu cha kuchoma sembuse cha kupikwa!

Ni harufu ya kuiva ya kulungu na kudondoka kwa mafuta ya kunona ndivyo vilimtia ujasiri. Naye kwa hatua za woga, akanyatanyata akanyakua kinofu na kukionja. Si utamu huo aliousikia! Sasa akanyafua jinofu. Halafu akaingilia maini, moyo na mafigo. Kulungu akamshinda ingawaje alimla maradufu ya kawaida yake. Aliyebaki, akamfunga ndani ya majani ya mgomba na kuwapelekea watu wake. Pamoja na kulungu, akawa amechukua pia kinga

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kilichokuwa kikiwaka na vile vijiti viwili ambavyo baadaye kijiti mama alikuja kukiita "wimbombo" na kijiti baba, " ulindi"...

Ilikuwa alfajiri asubuhi watu waliposhtukia "tatata" za kualika kwa kuni na kulipuka kwa moshi kutoka nyumbani kwa Moto. Nyumba yenyewe ilionekana ikiwa na nuru nyekundu ya ajabu na ya kutisha. Walinyatanyata kuelekea kwenye kioja hicho. Kiliwavutia zaidi kwani walivyozidi kulisongelea, ndivyo ile baridi ya asubuhi ilivyozidi kuwatoka. Mvuto huo ukawapumbaza. Lakini walipumbazika zaidi walipoona - nyuma ya kioja hicho na kupita pazia la moshi, Moto ameketi.

Macho yake yalionekana mekundu mno. Hii ilikuwa sababu ya moshi; lakini hawakuwa wakijua hivyo. Kiwiliwili chake kilionekana kikiyumbayumba nyuma ya miale. Haya yote yakamfanya kutisha. Wenzake wasijue la kufanya kwa sababu ya bambuazi, wakawa wamesimama tuli wameduwaa. Hapo ndipo waliposikia sauti ikinena: "Mimi ndimo Moootoo...; naivisha na kuunguza, natokeza na naoteka. Anitakaye nitakuja kwake nimpe huu uwezo wangu..."

Ili kuwaogofya zaidi, akaupulizia nao ukaalika kwa moshi na cheche nyingi zilizowafanya wenzake kurudi nyuma kwa hofu. Kuona hivi, akaendelea kuwatia woga kwa kusema, "Hizi ndizo nguvu za Moootoo... mimi ndimi Moootoo...nijieni niwageuzie maisha yenu..."

Akiwa bado ana sehemu ya nyama ya kulungu, akawagawia na kuwaambia wale. Kila mmoja wao akakubali kuwa ilikuwa tamu sana. Naye ndipo aliwaambia siri ya kioja. Hakuwaambia ule ukweli wa mambo, badala yake, aliwaambia ati ni malaika ndiye aliyemtunukia uwezo huo! Aliwalambisha kwa kuwapa kaa kuchukua makwao. Nao, kwa kukosa jina la kufaa, wakaliita "Moto".

Punde si punde, watu wakawa wamezoea moto na wengi wakawa wanakuja kwake tu. Hakutaka uenee vivi hivi tu. Kwa hivyo, akaweka masharti: moto ulipatikana kwake tu kila jioni, na uzimwe mara moja baada ya matumizi. Ni hapo kwake tu ambapo "moto mpya" ungeweza kupatikana. Moto hauibiki wala haufichiki, akawakanya. Na ambaye angefanya ujasiri wa kuuiba ama kuuficha, basi asije kulia kwake baadaye, akawaeleza.

Masharti haya yalifuatwa, naye akawa mgawaji wa moto wa pekee. Uwezo huu ulimtia hisia za ukubwa - na punde si punde, za utukufu pia! Sasa watu wakawa, bila moto, hakukuliwa kitu na basi kumtegemea yeye kukazidi. Hapa ndipo aliwageukia na kuwaambia:

“Ili kuulinda huu Moto Mtakatifu usife, imenibidi kuacha kazi zangu. Lakini siko radhi kuendelea kufa njaa na familia yangu."

" Tutakugawia chakula chetu ili uzidi kuuchunga huo Moto Mtakatifu ili usife," wakamkatiza.

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Basi, kwa kila mtu kumpatia theluthi ya chakula chake, Moto akapata uwezo wa kurundika ziada. Siku si nyingi, mkewe na watoto wake wakawa hawana haja ya kufanya kazi. Hali watu hawakukoma kumpatia "kodi ya moto", ndivyo yeye na kizazi chake walivyozidi kujiepusha na kufanya kazi, huku wakizidi kuzua masharti magumu ya kuficha "Utukufu wa Moto".

Maswali

a) Ipe makala uliyosoma anwani mwafaka **(alama 1)**

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……

……

b) Moto alikuwa ameketi chini ya kivuli cha mbuyu kwa sababu gani? **(alama 2)**

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c) Eleza tabia zozote mbili za Moto kutokana na makala hii **(alama 2)**

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d) Taja na ueleze methali moja inayoweza kutumiwa kueleza matukio katika makala hii **(alama 2)**

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e) Taja masharti mawili yaliyowekwa na Bwana Moto kwa kutotaka Moto uenee hivi hivi tu. **(alama 2)**

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f) Moto na Aila yake walifaidikaje baada ya uvumbuzi huu? **(alama 2)**

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……

g) Eleza maana ya maneno yafuatayo kama yalivyotumika katika taarifa. (alama 3)

(i) Kioja ……

(ii) Alikokuzira ……

(iii) wimbombo ……

3. MATUMIZI YA LUGHA

(a)i)Taja ala zinazotumika katika kutamka sauti zifuatazo: (alama 2)

(i) |dh|

……

(ii) |gh|

……

(b) Andika neno lenye muundo ufuatao (alama 1)

irabu ya chini, nazali ya midomoni, irabu ya nyuma juu

……

……

(c) Bainisha miundo ya silabi katika maneno yafuatayo (alama 2)

chura……

mbwa……

(d) Bainisha utendakazi wa viambishi katika neno lifuatalo. (alama 3)

Kiliwaumiza

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(e) Iiandike sentensi ifuatayo ukitumia kiwakilishi cha pekee o – ote. **(alama.2)**

Ufunguo wowote ufunguao ni wetu.

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(f) Eleza maana mbili za sentensi hii. **(alama.2)**

Alitukimbilia kabisa.

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(g) Andika katika kauli ya kutendesheka **(ala.2)**

(i) Iga

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……

(ii) Vaa

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(h) Andika udogo wa sentensi ifuatayo. **(ala.2)**

(i) Sahani zetu ni nzuri kuliko zao.

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(i) Tumia ritifaa katika sentensi ili kuonyesha matumizi yake mawili **(alama 2)**

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(j) Andika katika wingi **(ala. 2)**

Kuku wa jirani kijijini mwetu aliangua kifaranga aliyelemaa.

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(k) Tunga sentensi ukitumia nomino zifuatazo pamoja na kivumishi- ingine. **(ala. 2)**

(i) Dau

……

……

(ii) Urembo

……

……

(l) Geuza katika usemi wa taarifa. **(ala.2)**

Karen: Tafadhali usiukanyage mguu wangu.

Chemosi: Ah! Mbona niukanyage?

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(m) Tumia kielelezo cha jedwali kuchanganua sentensi.

Musa aligongwa na gari vibaya sana. **(ala.4)**

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(n) Ainisha matumizi ya '-ema' katika sentensi ifuatayo. **(alama. 3)**

Mwanafunzi mwema ametuzwa vyema kwa wema wake.

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(o)Yakinisha sentensi ifuatayo **(alama 2)**

Uchaguzi mkuu hautafanyika mwaka huu

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……

(p) Andika kulingana na maagizo yaliyotolewa. **(ala.2)**

Jina langu ni Omondi lakini huitwa Omosh kwa kifupi. (Anza kwa: Watu.……

……

……

……

(q) Onyesha virai vitatu katika sentensi hii na utaje ni vya aina gani. **(ala.3)**

Mtoto yule mdogo amekunywa maziwa kwa kikombe.

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(r) Andika kinyume cha: **(ala.1)**

Walizama walipokuwa wakikusanya mchanga.

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(s) Toa neno jingine lenye maana sawa na: **(ala.1)**

kariha

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4. **ISIMU JAMII (ALAMA 10)**

Mhusika A : Wewe ndiwe Hatia Mpendamakosa? Kutokana na ushahidi uliotolewa, na kulingana na kifungu cha 55A cha sheria , ni wazi kuwa una mashtaka ya kujibu.……

Mhusika B: (Akimkatiza kauli) Nakana Mheshimiwa!

Mhusika A: Mshatakiwa,jambo ulilofanya ni hatia kulingana na sheria za nchi. Ni hatia kwa mtu kuiba kitu hata kiwe kiasi gani. Sababu uliyotoa kwa kitendo chako pia haifai. Mahakama inakuhukumu kuihudumia jamii katika kifungo cha nje cha miezi sita. Kesi imekwisha.

Maswali:

(a) Lugha hii hutumika katika muktadha upi? **(ala.2)**

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……

(b) Tambulisha wahusika **A** na **B** **(ala.2)**

Mhusika **A:**……..

Mhusika **B:**……

(e) Eleza sifa sita za sajili ya mazungumzo hayo. **(ala. 6)**

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FASIHI SIMULIZI (Alama 15)

Soma kifungu kufuatacho kisha ujibu maswali yanayofuata

Mchuuzi wa mchuzi hana ujuzi wa mjusi wa juzi.

a.Tambua vipengele vifuatavyo vya kifungu hiki cha fasihi simulizi **(alama 2)**

i) utanzu**……**

ii) kipera**…….**

b. Kipera hiki kina sifa mbalimbali. Eleza zozote tano **(alama 5)**

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c.Kipera hiki kina umuhimu upi katika jamii yako? **(alama 6)**

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d) Andika mifano miwili zaidi ya kipera hiki **(alama 2)**

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

MATHEMATICS (QUESTION PAPER)

FORM 2

TIME 2½ HOURS

INSTRUCTIONS:

1.Write your name, Index number in the space provided at the top of the page.
2.Write the date of examination and sign in the spaces provided above.
3.This paper consists of **two** sections: I and II.
4.Answer all the questions in section I and any **five** questions from section II
5.All answers and working must be written on the question paper in the spaces provided below each question.
6.Show all the steps in your calculation, giving your answers at each stage in the space provided.
7.Marks may be given for correct working even if the answer is wrong.
8.Non programmable silent electronic calculator and KNEC Mathematical table may be used, except when stated otherwise.

FOR EXAMINER'S USE ONLY

SECTION I

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

SECTION II

17	18	19	20	21	22	23	24	Total

GRAND TOTAL

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SECTION I (50 Marks)

Answer ***all*** the questions in this section

1. Evaluate **(3 marks)**

$$\frac{2\frac{1}{5}+\frac{2}{3} \text{ of } 3\frac{3}{4}-4\frac{1}{6}}{1\frac{1}{4}-2\frac{2}{5}\div 1\frac{1}{3}+3\frac{3}{4}}$$

2. Three metallic tanks have the capacities of 447 litres, 577 litres and 669 litres. Find the capacity of the largest container that can fill the tanks an exact number of times, leaving a remainder of 7 litres, 5 litres and 9 litres respectively. **(3 marks)**

3. The marked price of a computer is Kshs. 72,000. Rhenice bought the computer at a discount of 8%. The dealer still made an 20% profit. Calculate the amount of money the dealer paid for the computer**.** **(3 marks)**

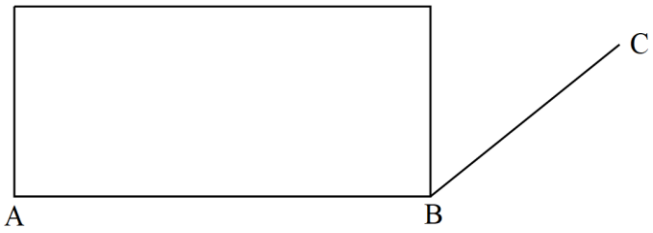
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4.Use tables of squares, square roots and reciprocals only to evaluate **(4 marks)**

$$\frac{1}{\sqrt{446.9}} - 0.1273^2$$

5.The length of a grass lawn is 2 metres less than twice its width. The area of the lawn is 60 m^2, calculate its length **(3 marks)**

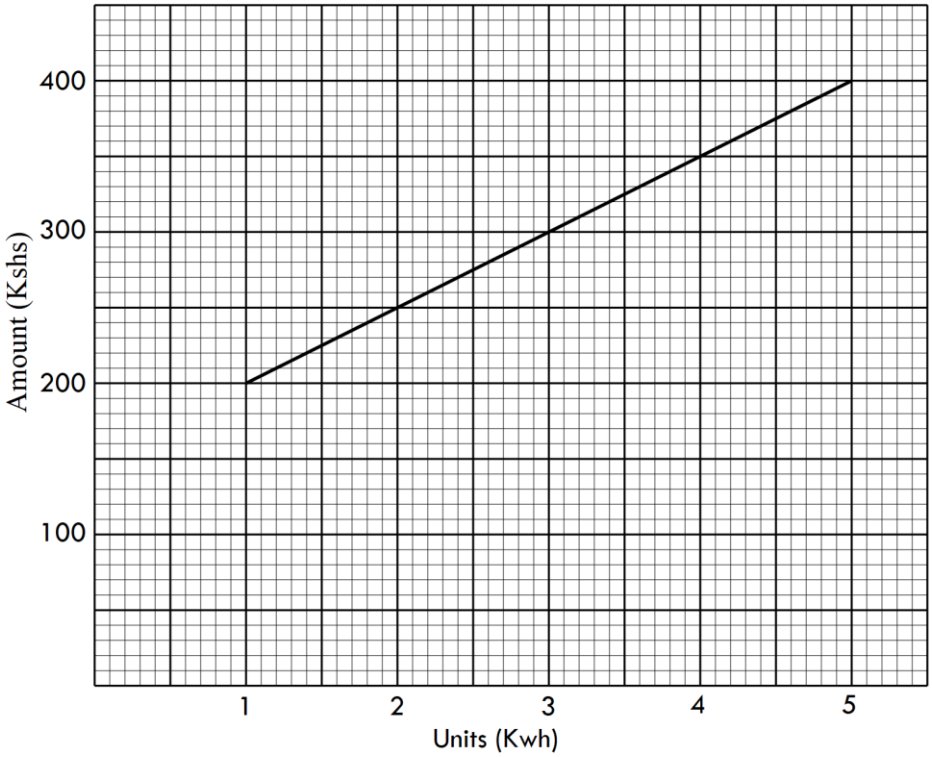
6.The figure below shows part of a solid cuboid ABCDEFGH



Complete the solid **(3 marks)**

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7.The graph below shows the relationship between the electricity bill (in Kshs.) and the number of units consumed (in kilowatt hours)



Use a graph to determine the

(a) fixed charge of the bill. **(1 mark)**

(b) cost per unit of the consumption **(2 marks)**

8.Solve for x in the equation **(3 marks)**

$(3^{2x})^3 = 81 \times 9^4$

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9. Given that $\boldsymbol{p} = \begin{pmatrix} -1 \\ 3 \end{pmatrix}$ and $\boldsymbol{r} = \begin{pmatrix} 3 \\ 2 \end{pmatrix}$ and find $|\boldsymbol{q}|$ given that $\boldsymbol{q} = 3\boldsymbol{p} - 2\boldsymbol{r}$. **(3 marks)**

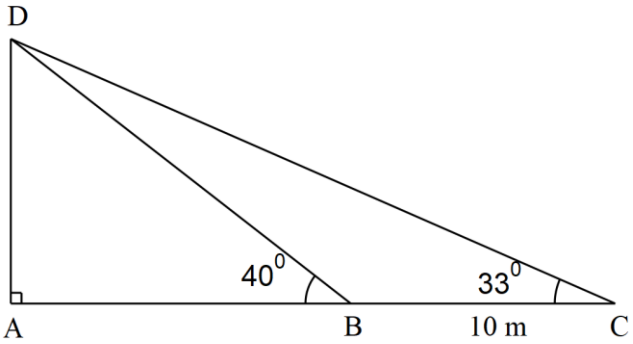
10. The cost of four exercise books and three pens is Kshs. 630. Five similar exercise books and two similar pens cost Kshs. 70 more. Calculate the cost of each item. **(3 marks)**

11. Two similar containers have surface areas of 700 cm^2 and 1008 cm^2 respectively. If the height of the larger container is 29.4 cm, calculate the height of the smaller container. **(3 marks)**

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12. The cross-section of a swimming pool is such that the shallow end is 1 metre deep and the deepest end 1.5 metres deep. The width of the pool is 6 metres. Given that the pool is 15 metres long, calculate the capacity of water if the swimming pool is full. **(3 marks)**

13. Calculate the distance AB in the figure below. Give your answer correct to 4 significant figures. **(4 marks)**



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14. A number P is formed by writing all the prime numbers between 0 and 10 is ascending order while another number Q is formed by writing all the square numbers between 0 and 10 in descending order.

(a) Find $P - Q$ **(2 marks)**

(b) Hence find the total value of the third digit in the answer of $P - Q$ **(1 mark)**

15. Using a ruler and a pair of compasses only, construct a triangle PQR in which PQ=8.7 cm, $\angle$PQR=$52\frac{1}{2}^0$ and QR=4cm. Measure PR **(3 marks)**

16. Oscar started a road trip that took him a total of 9 hours 28 minutes and completed the trip on a Tuesday at 6. 03 a.m. At what time did he start the trip? Give your answer in 12 hour clock system **(3 marks)**

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SECTION II (50 Marks)

*Answer any **five** questions in this section*

17. The table below shows the marks scored by 50 students in a Zeraki Achievers' Examination.

Marks (%)	20 – 24	25 – 34	35 – 39	40 – 54	55 – 59	60 – 74
Number of Students	7	8	10	13	9	3

(a) Calculate

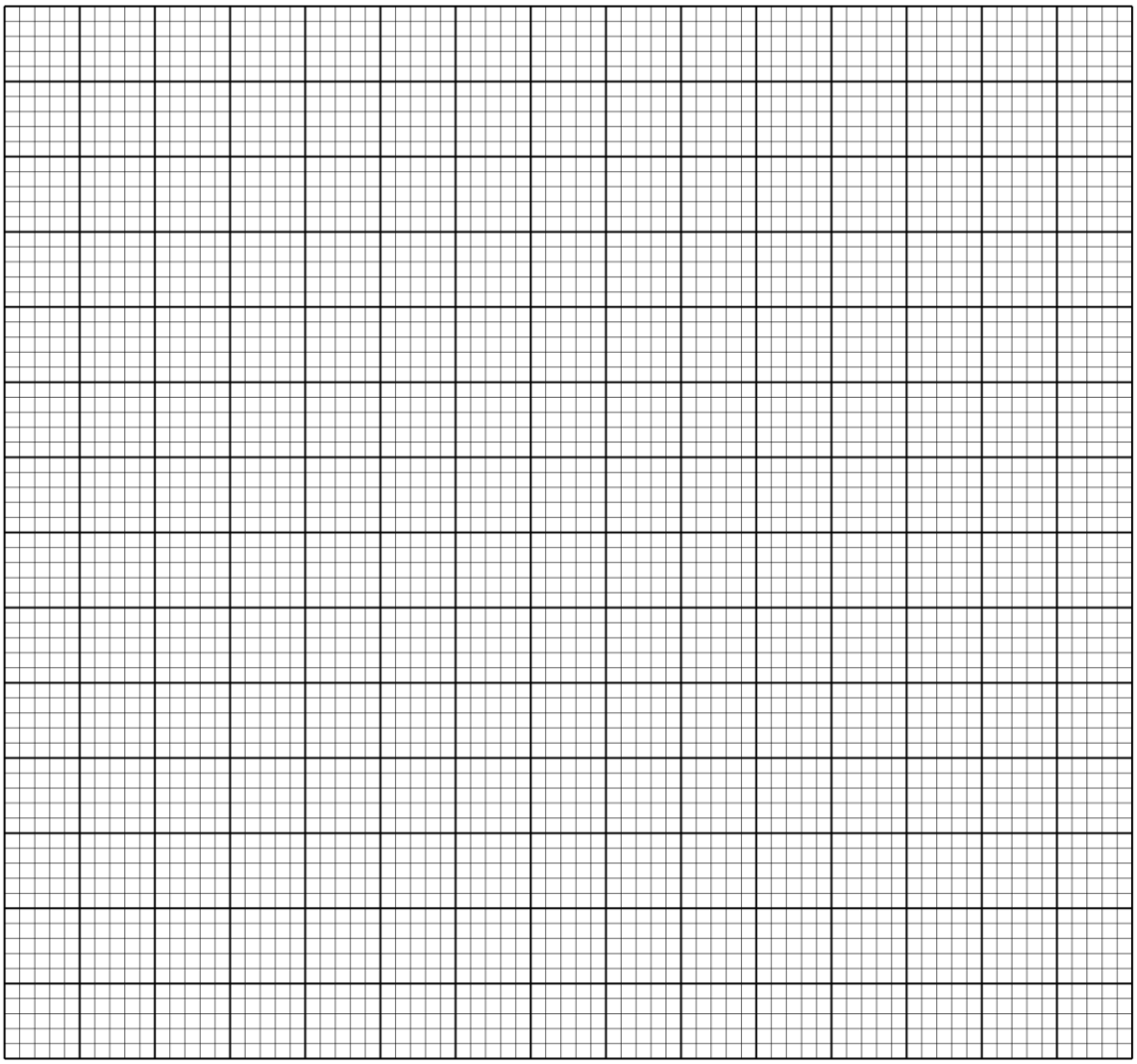
(i) The mean mark **(4 marks)**

(ii) The median mark **(3 marks)**

(b) The mean age of 14 students is 16 years. If two more students join them, the new mean becomes 16.5 years. If one of the added student is 22 years old, find the age of the other student. **(3 marks)**

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18. (a) On the grid provided, draw the square whose vertices are P(6, −2), Q(7, −2), R(7, −1) and S(6, −1) **(1 mark)**



(b) On the same grid, draw:

(i) P′Q′R′S′ the image of PQRS, under an enlargement scale factor 3, centre (9, −4). State the coordinates of P′Q′R′S′ **(3 marks)**

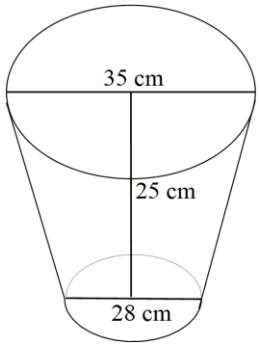
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(ii) $P''Q''R''S''$ the image of $P'Q'R'S'$ under a reflection in the line $y = 0$. **(2 marks)**

(iii) $P'''Q'''R'''S'''$ the image of $P''Q''R''S''$ under a rotation of -90^0 about (0, 0) **(2 marks)**

(c) Describe a single transformation that maps $P'Q'R'S'$ on to $P'''Q'''R'''S'''$. **(2 marks)**

19. The diagram below shows a solid frustum whose top and bottom diameters are 35 cm and 28 cm respectively. The height of the frustum is 25 cm. Using $\pi = \frac{22}{7}$



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(a) Calculate the volume of the solid **(6 marks)**

(b) The frustum is melted and recast into a solid sphere. Calculate the radius of the sphere correct to 2 decimal places . **(4 marks)**

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20. A matatu left a town P at 9.00 a.m. for town Q, 51 km away at an average speed of 48 km/h. Half an hour later, a car left town Q for town P travelling along the same route at an average speed of 60 km/h.

Find;

(a) (i) the time they met **(3 marks)**

(ii) how far they met from town P **(2 marks)**

(b) A body starts from rest and accelerates uniformly attaining a velocity of 40 m/s in three seconds. It maintains this velocity for five seconds, and then decelerates at 8 m/s^2 for two seconds. It further decelerates uniformly and comes to rest in four seconds.

(i) Using the information above, calculate the value of a and b in the table below. **(2 marks)**

Time (seconds)	0	3	a	10	14
Velocity (m/s)	0	40	40	b	0

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(ii) Hence, calculate the total distance covered by the body. **(3 marks)**

21. Samantha and Kerina entered into a joint business venture in which they contributed Kshs. 150,000 and Kshs. 120,000 respectively every year. After one year, Joyce joined the venture too and contributed Kshs. 90,000.

(a) Calculate the ratio of their investment after 3 years of business **(3 marks)**

(b) The agreed as follows; that 30% of the profits after 3 years be used to carter for the operational costs of the business while the rest would be shared proportionately. At the end of the third year, the profit was Kshs. 1,870,000. Calculate each person's share. **(4 marks)**

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(c) Samantha and Kerina put their shares together and bought fish cages at Kshs 25, 500 per cage. Calculate the number of fish cages they bought. **(3 marks)**

22. A straight line L_1 whose equation is $3y - 2x = -2$ meets the x- axis at R

(a) Determine the coordinates of R. **(2 marks)**

(b) A second line L_2 meets L_1 at a right angle at R. Find the equation of L_2 in the form $y = mx + c$, where m and c are constants. **(4 marks)**

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(c) A third line L_3 passing through $(-4, 1)$ is parallel to L_1. Find the equation of L_3 in the form $ax + by + c = 0$, where a, b and c are integers. **(2 marks)**

(d) Calculate the acute angle L_2 makes with the line $y = 0$ **(2 marks)**

23. (a) Three schools, Kisumu School, Sinyolo Girls and Thurdibuoro are such that Sinyolo girls is on a bearing of 062^0 from Kisumu School at a distance of 32 km. Thurdibuoro is 50 km from Kisumu School and on a bearing of 167^0 from Sinyolo girls. Using a scale of 1: 500,000,

(i) Show the relative positions of the three schools **(3 marks)**

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(ii) Use the scale drawing to find:

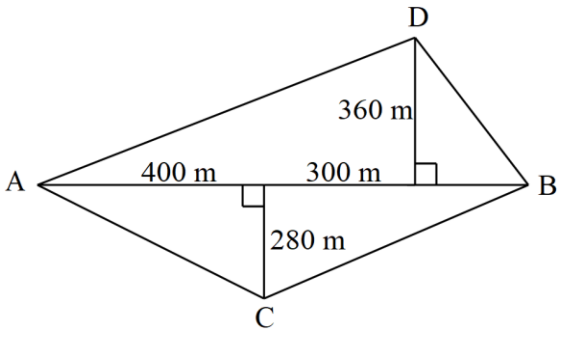
- Bearing of Kisumu School from Thurdibuoro. **(1 mark)**

- Distance of Thurdibuoro from Sinyolo girls **(1 mark)**

(iii) A talent centre **M**, is to be located such that it is equidistant from each of the three schools.

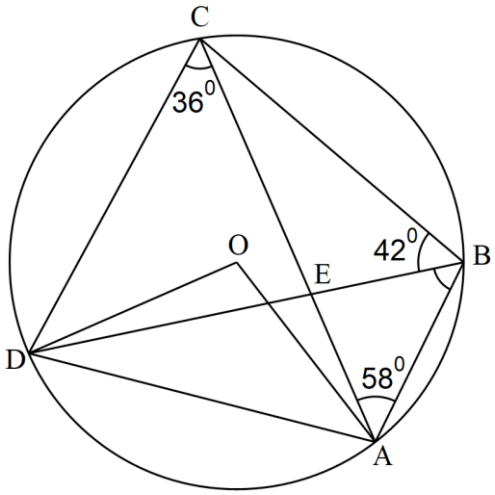
- On the diagram in (i) above, show the position of **M** **(2 marks)**
- Hence find the bearing of **M** from Sinyolo girls **(1 mark)**

(b) The figure below shows a school farm. Using AB=750 metres as the base line, enter the measurements of the farm in a surveyor's field book **(2 marks)**



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24. In the figure below, O is the centre of the circle, ABCD is a cyclic quadrilateral and that $\angle CBD = 42^0$, $\angle BAC = 58^0$ $\angle DCA = 36^0$



Giving reasons, find the values of:

(a) $\angle DAC$ **(2 marks)**

(b) $\angle ADB$ **(2 marks)**

(c) Acute $\angle DOA$ **(2 marks)**

(d) $\angle BDO$ **(2 marks)**

(e) $\angle DEC$ **(2 marks)**

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BRILLIANT STUDENTS

FORM 2 END TERM 3 SERIES 1 EXAMS

NAME: ……..

SCHOOL: ……...

ADM NO: …… **SIGN:** …… **DATE:** ……...

PHYSICS (232)

FORM TWO (2)

Time: 2 Hours

Instructions to candidates

- *Write your name, index number, admission number and sign in the spaces provided above.*
- *This paper consists of **two** sections **A** and **B**.*
- *Answer **all** the questions in sections **A** and **B** in the spaces provided.*
- *All workings **must** be clearly shown where applicable.*
- *All numerical answers must be expressed in decimal form*
- *Non-programmable silent electronic calculators and KNEC Mathematical tables may be used where applicable.*

For Examiner's use only

Section	Questions	Maximum Score	Candidate's Score
A	1 – 14	25	
	15	09	
	16	09	
	17	13	
	18	10	
	19	06	
	20	08	
TOTAL		80	

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SECTION A : 25 MARKS

1.Figure 1 below shows a scale of vernier calipers when measuring the width of a meter rule.

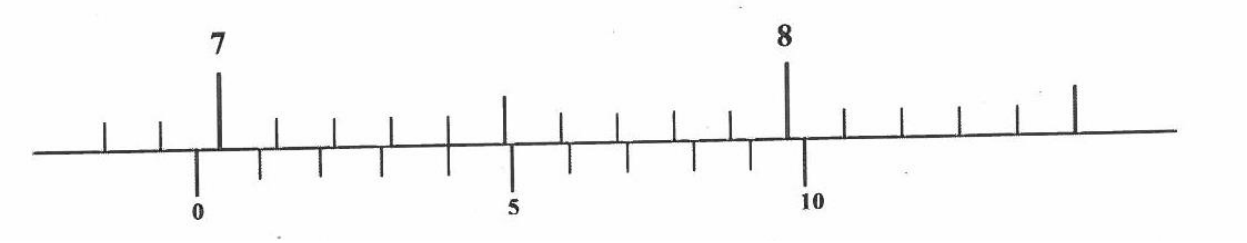


Figure 1

What is the actual width of the meter rule if the calipers has a zero error of + 0.6mm.? **(2mks)**

2.A clinical thermometer has a constriction in the bore just above the bulb. State the use of the constriction. **(1mk)**

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3. Convert -200°C into Kelvins **(1mk)**

4.Figure 2 below shows air trapped by a column of the mercury in a U-tube . The atmospheric pressure is 76 cm Hg.

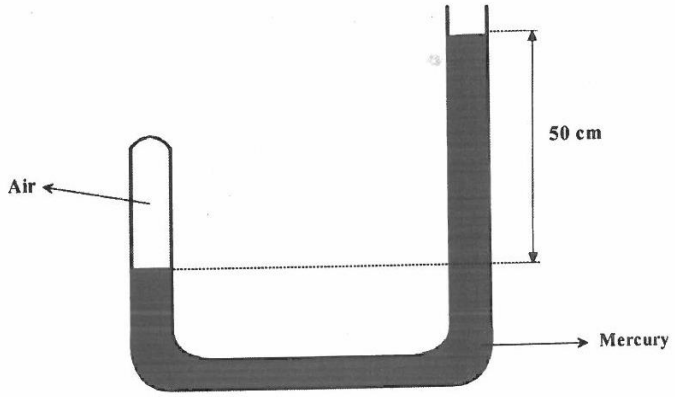


Figure 2

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At what pressure in mmHg is the enclosed air? **(3mks)**

5.A solid weighs 90.65N on the surface of Jupiter. The gravitational acceleration in Jupiter is 25.89. Find the mass of the solid on earth **(2 mk)**

6.State any **two** ways of increasing the size of an image formed by a pinhole camera. **(2 mks)**

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7.Why is mercury preferred as a barometric liquid and not water ? **(1 mk)**

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8.A leaf electroscope A is charged and placed on a bench. Another uncharged leaf electroscope B is placed on the same bench and moved close to A until the caps touch each other. ***State*** and ***explain*** what is likely to be observed on the leaf of A and B. **(2 mks)**

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9. The mass of an empty density bottle is x g. when full of water its mass is 70g and when full of liquid Y whose density is 0.96g/cm³ its mass is 68.4g. Determine the value of x. (density of water is 1g/cm³) **(2 mks)**

10. a) State the main difference between primary chemical cells and secondary chemical cells. **(1mk)**

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b) State how the design of a dry Lechlanche cell reduces polarization. **(1mk)**

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11. Using the domain theory of magnetism, explain why a bar magnet may lose its magnetism when hammered. **(1 mk)**

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12. **Figure 3** below shows two identical springs constant 3N/cm supporting a load of 30N.

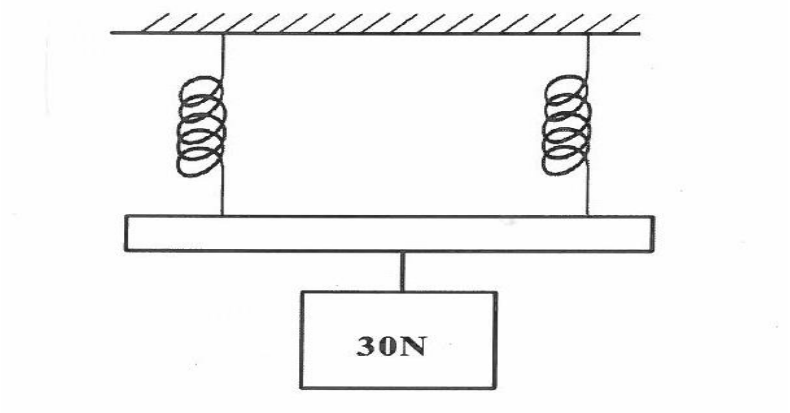


Figure 3

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Determine the extension of each spring **(3mks)**

13. Explain why a bus should not carry standing passengers. **(1mk)**

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14. Name two forces that determine the shape of a liquid on a solid surface **(2 marks)**

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SECTION B: 55 MARKS

15. a) State the principal of moments **(1mk)**

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b) A uniform metal strip is 3.0cm wide, 0.5 cm thick and 100 cm long. The density of the metal is 2.7 g/cm3. Determine

(i) The weight of the Metal strip. **(2mks)**

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The strip is placed on a pivot and kept in equilibrium by forces in the figure below.

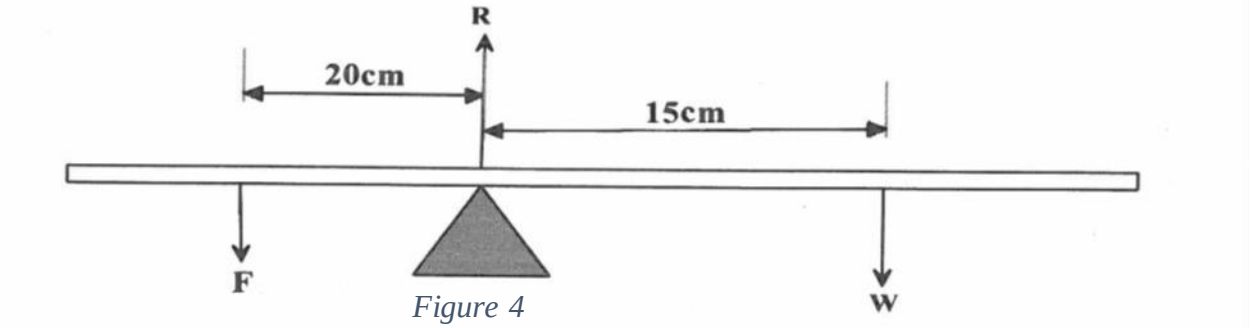


Figure 4

(ii) Determine the value of F . **(3mks)**

c) A balancing toy made of a plastic container has an ice block inside it as shown below in figure 4.

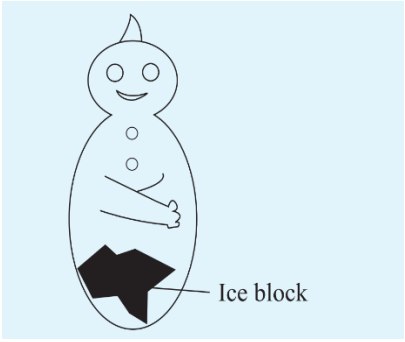


Figure 5

(i) Explain its state of equilibrium. **(1 mark)**

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(ii) What changes in stability will be experienced when ice in the plastic container melts? **(2 marks)**

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16. (a) State Hooke's law **(1mk)**

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(b) A graph of force (y-axis) against (x-axis) is provided. Use it to answer questions below.

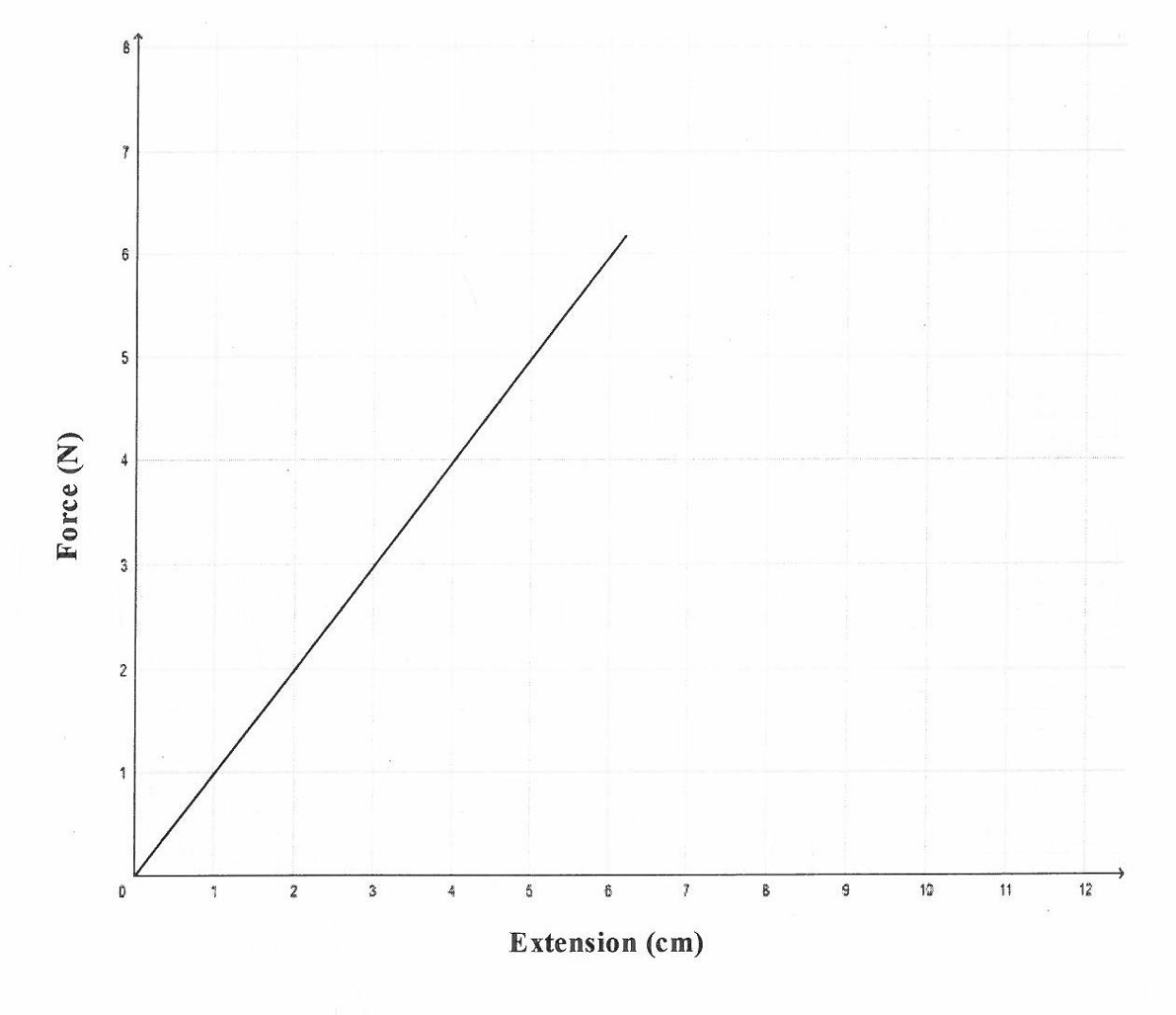


Figure 6

From the graph determine.

i). Work done in stretching the spring by 3cm. **(3mks)**

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ii). Spring constant .Give your answer in SI Units. **(3mks)**

iii). State **two** factors that affect the spring constant. **(2mks)**

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17. Figure 7 below shows how the displacement varies with time for a certain wave.

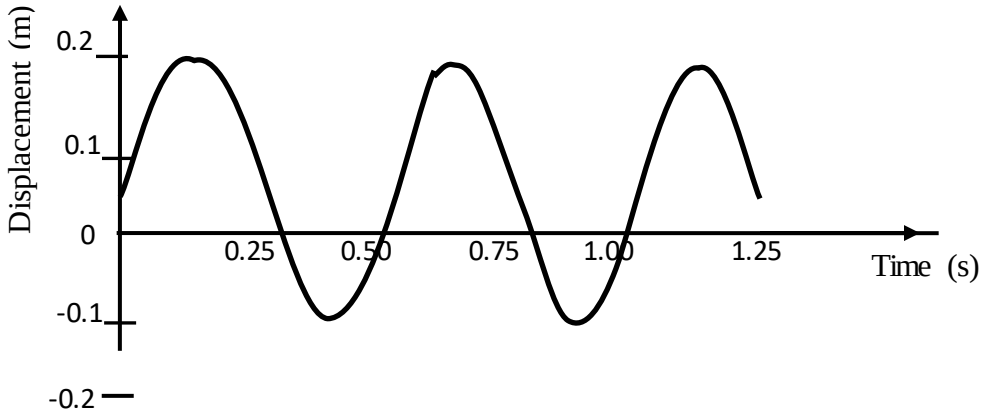


Figure 7

a) Determine the frequency of the wave. **(2 mks)**

b) In determining the depth of a sea, an echo sounder produces ***ultrasonic sound***. Give ***two*** reasons why this sound is preferred. **(2mks)**

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c) The figure 8 below shows a set up made by a Form 2 student to study an aspect of a wave.

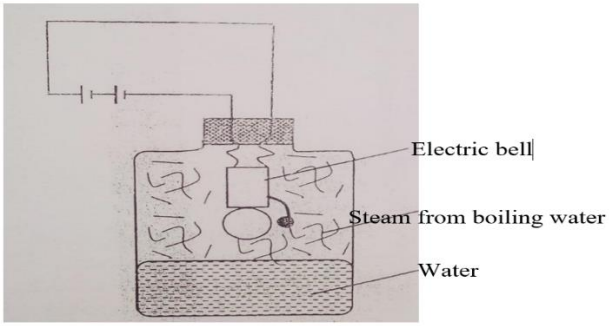


Figure 8

(i) State what happens to the sound from the bell as the bottle and its contents are cooled to 0°C **(1 mk)**

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(ii) Explain the observation in (i) above **(2 mks)**

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d) A boy stands some distance from a high wall and claps his hands. He claps again each time he hears an echo.

(i) What ***two*** measurements would need to be made in order to determine the speed of sound? **(2mks)**

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(ii) The boy's friend notes that it takes 10 s to make 11 claps. Determine how far the boy is from the wall, given that the speed of sound in air is 330 m/s. **(2 mks)**

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18. (a) Distinguish between streamline and turbulent flow. **(2mks)**

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(b)Figure 9 below shows two light sheets of paper arranged as shown

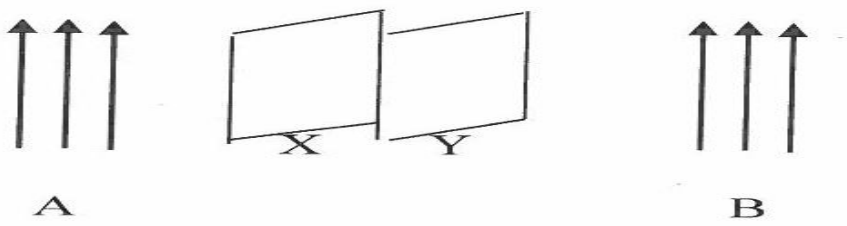


Figure 9

Explain the observation made when air is blown at the same time at point A and B. **(2mks)**

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(c) Figure 10 below shows an incompressible fluid moving through a tube of varied cross-section area. If the area of the small tube is 0.05m2, Calculate the area of large tube in cm2. **(3mks)**

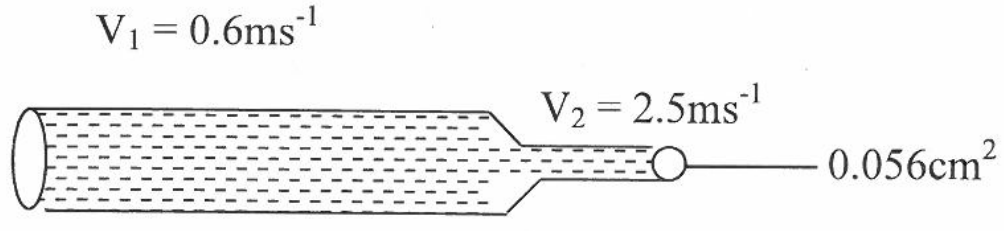


Figure 10

(d) State the Bernoulli's principle **(1mks)**

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(e) State any **TWO** assumptions made when deriving the equation of continuity **(2mks)**

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19. In figure 11 below, a steel rod is placed inside a solenoid to make a magnet:

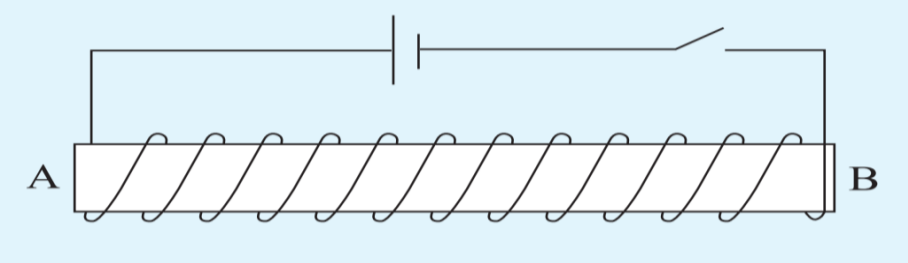


Figure 11

(a) Indicate the direction of the current ***<u>on the solenoid</u>*.** **(1 mark)**

(b) Identify the polarities of ends A and B. **(2 marks)**

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(c) Why is steel used as rod AB? **(1mark)**

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(d) What would happen if soft-iron core was used as rod AB? **(1 mark)**

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(e) What happens if alternating current was used instead of direct current? **(1 mark)**

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20. I. Define the following terms as applied to curved mirrors:

(a) Pole **(1mark)**

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(b) Centre of curvature **(1mark)**

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(c) Focal plane **(1mark)**

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II. An object of height 10 cm is placed 15cm before a concave mirror of focal length 10 cm. Using a scale of 1 cm rep 10 cm. Determine:

(i) The image position. **(3 marks)**

(ii) The magnification. **(2 marks)**

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