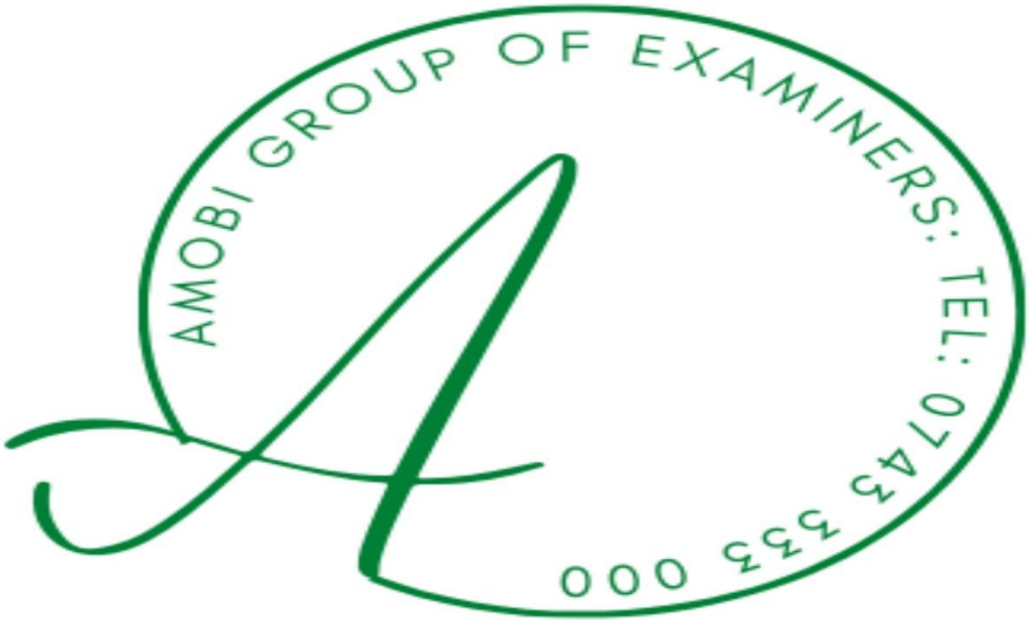
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ORDER OF THE 13 SUBJECTS TESTED

(ALPHABETICALLY ARRANGED)

1. **AGRICULTURE**
2. **BIOLOGY**
3. **BUSINESS STUDIES**
4. **CHEMISTRY**
5. **COMPUTER**
6. **C.R.E**
7. **ENGLISH**
8. **GEOGRAPHY**
9. **HISTORY**
10. **HOMESCIENCE**
11. **KISWAHILI**
12. **MATHS**
13. **PHYSCIS**

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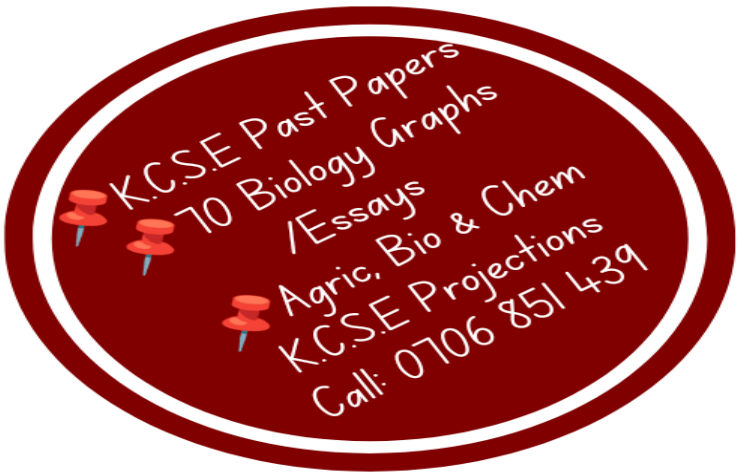
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BRILLIANT STUDENTS
FORM 1 END TERM 3 SERIES 3 EXAMS

NAME: ……

SCHOOL: ……...

ADM NO: …… SIGN: …… DATE: ……...

AGRICULTURE FORM 1

END OF TERM 3

TIME: 1 ½ HOURS

Attempt all questions

1. Give four importance of land preparation in crop production **(4mks)**

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2. List four factors that determines the type of irrigation used in crop production **(4mks)**

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3. Give five characteristics of fertile soil **(5mks)**

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4. Mention five importance of drainage as a land reclamation method **(5mks)**

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5. List four types of livestock farming practices **(4mks)**

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6. List the three types of a spanner and give two maintenance practices. **(5mks)**

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7.a. Define the term minimum tillage. **(1mks)**

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7.b. Give five minimum tillage practices. **(5mks)**

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8. List four factors that influence soil formation **(4mks)**

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9. Give four importance of treating water **(4mks)**

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10. What are some of the agricultural practices that pollute water? **(3mks)**

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11. Differentiate between a garden trowel and a masons trowel **(2mks)**

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12. State two effects of HIV/AIDS on agriculture **(2mks)**

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13. Give the uses and maintenance each of the following equipment

a)Wheel barrow **(2mks)**

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b)Spoke shave **(2mks)**

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c)Milking churn **(2mks)**

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14.State the reasons for proper care and maintenance of farm tools and equipments **(4mks)**

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15. Give the 3 fields of horticultural farming and describe what they entail **(3mks)**

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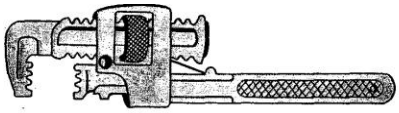
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16. The diagram below shows some workshop tools. Study them and answer the questions that follow

A



B



(a) Identify the tools **A** and **B** **(2mks)**

A ……

B ……

(b) State the correct use of the tool labeled A **(2mks)**

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(c) Explain **one** maintenance practice carried out on the tool A **(1mk)**

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17. State **four** categories of farm tools and equipment **(4mks)**

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BRILLIANT STUDENTS

FORM 1 END TERM 3 SERIES 3 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

BIOLOGY
FORM 1

1.State the name given to the study of **(2mks)**

(i) Insects

……

……

(ii) Classification of living organisms.

……

……

2.(a) Name the products of complete hydrolysis of sucrose. **(1mk)**

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(b) What happens to these products named in (a) above, when they are excess in the body of man. **(2mks)**

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3. (a) State the roles of light in plant nutrition. **(2mks)**

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(b) Give a reason why glucose formed at the end of photosynthesis is converted at once into starch. **(1mk)**

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4. (a) State the formula for calculating linear magnification of a specimen when using a hand lens. **(1mk)**

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(b) Give **one** functional advantage of use of the following microscopes. **(2mks)**

(i) Light Microscope

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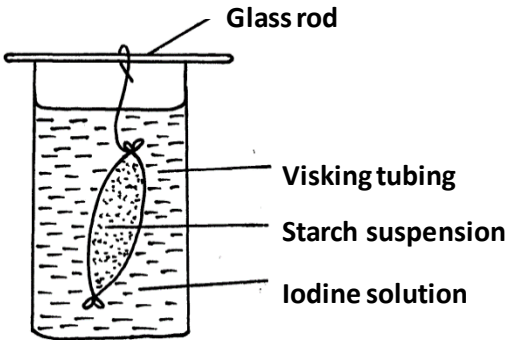
(ii) Electron Microscope.

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5.An investigation was set up as shown in the diagram below.



After 30 minutes, starch suspension had turned blue-black while iodine solution retained its colour.

(a) Name the physiological process that was being investigated in the experiment. **(1mk)**

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(b) Account for the results observed after 30 minutes. **(3mks)**

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6.Define the term osmosis. **(2mks)**

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7. (a) Distinguish between homodonts and heterodonts. **(1mk)**

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(b)A certain mammal has no incisors, no canines, 6 premolars and 6 molars in the upper jaw. In the lower jaw, there are 6 incisors, 2 canines, 6 premolars and 6 molars.

(i) Write down the dental formular of this mammal. **(1mk)**

……

……

(ii) What is the mode of nutrition of this mammal? **(1mk)**

……

……

8.The reaction represented by equation below occurs in the body

Hydrogen peroxide $\longrightarrow$ Oxygen + Water

(a) Name enzyme **Z** **(1mk)**

……

……

(b) Name an organ in the human body where this reaction occurs **(1mk)**

……

……

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(c) State the biological importance of the reaction above **(1mk)**

……

……

9. State how each of the cells below are specialized to carry out their functions

(a) Palisade cell **(1mk)**

……

……

(b) A sperm cell **(1mk)**

……

……

10. State the functions of each of the following organelles.

(i) Ribosomes **(1mk)**

……

……

(ii) Golgi apparatus **(1mk)**

……

……

11. Name the bond that exists between amino acids during condensation process of forming proteins? **(1mk)**

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12. Explain how the following factors affect the rate of photosynthesis

(a) Concentration of carbon (iv) oxide. **(1mk)**

……

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(b) Light intensity **(1mk)**

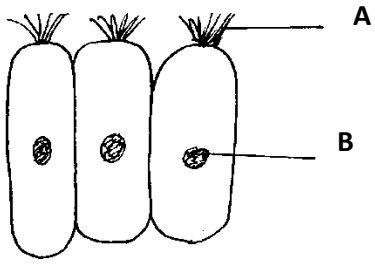
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13. Study the figure below which shows a type of epithelial tissue



(a) State the name of structure **A**. **(1mk)**

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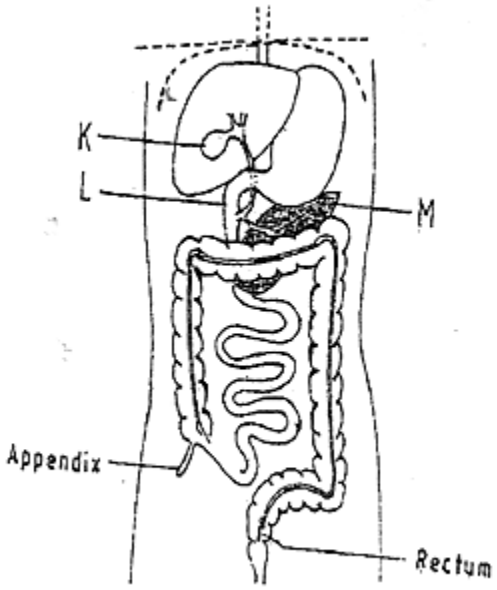
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(b) Give an example in humans where this epithelium is found **(1mk)**

……

……

14. The diagram below represents part of the human digestive system.



Name the organs labeled L and M. **(2mks)**

L: ……

M: ……

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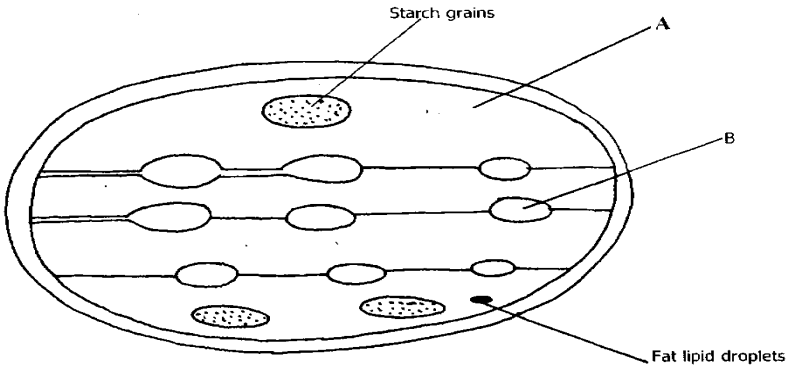
15. Some form one students wanted to collect the following animals for study in the Laboratory. State the suitable apparatus they should use.

i) Flying insects **.....** **(1mark)**

ii) Crawling stinging insects **.....** **(1mark)**

iii) Small animals from tree barks **.....** **(1mark)**

16. Study the diagram below and answer the questions that follows



a) Identify the structures labeled A and B **(2marks)**

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b) What process takes place in the parts labeled A and B **(2mark)**

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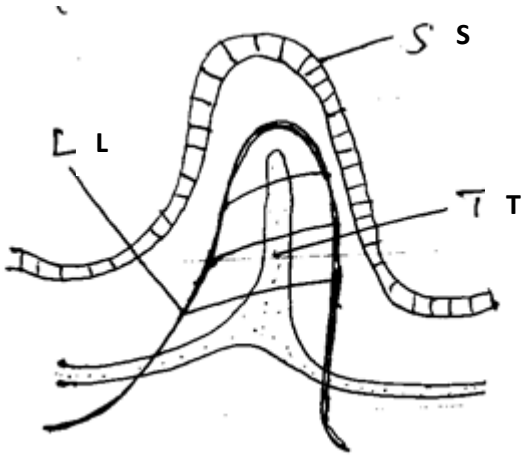
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17. A student estimated the diameter of a field of view to be 2.8mm. The diameter was occupied by four onion cells. Estimate in micrometers the diameter of onion cell. Show your working. **(2 marks)**

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18. The diagram below represents structure found in the walls of ileum.



a) Identify the structure shown in the diagram. **(1 mark)**

……

……

b) Name parts labeled S, T and L. **(3 marks)**

S **.....**

T **.....**

L **.....**

c) Name products of digestion which are absorbed into; **(2 marks)**

L **.....**

T **.....**

d) State how the above structure is adapted to its function. **(2 marks)**

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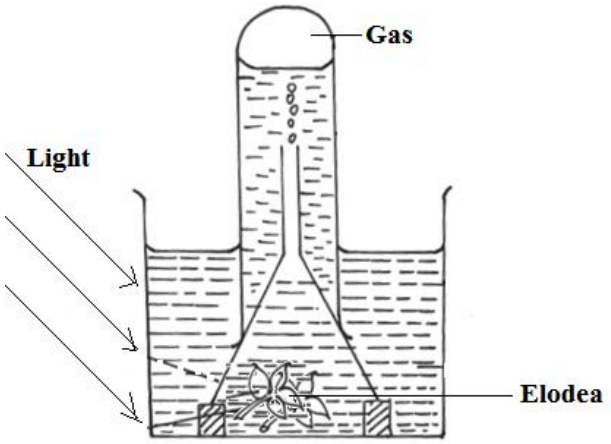
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19. The diagram below represents a set up that was used to investigate a certain process in a plant.



(a) State the process that was being investigated. **(1 mark)**

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(b) Other than the factors shown, state two factors that would affect the process named in (a) above. **(2 mark)**

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20. Outline two roles of active transport in human beings. **(2 marks)**

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21. Write the role of the following parts of microscope. **(3marks)**

i) Mirror

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ii) Diaphragm

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ii) Coarse adjustment knob

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22. Explain w hy plant cells do not burst when immersed in distilled water. **(2mks)**

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23. (a)State two functions of bile juice in the digestion of food? **(2marks)**

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(b) How does substances concentration affect the rate of enzyme reaction**?** **(1mark)**

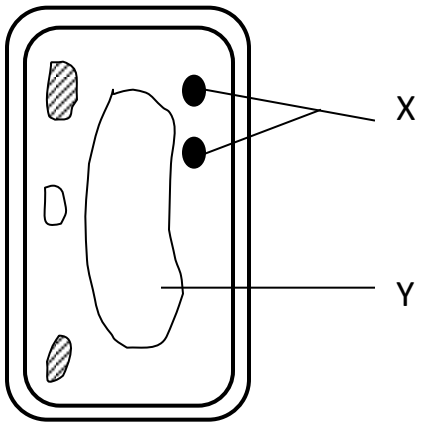
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24. The diagram below represents a cell



a) Name the parts labeled X and Y **(2marks)**

X .....

Y .....

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b) State why the structures labeled X would be more on one side than the other side. **(1mark)**

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25. a) What is diffusion **(2marks)**

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b) How does diffusion gradient affect the rate of diffusion**?** **(1mark)**

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BRILLIANT STUDENTS

FORM 1 END TERM 3 SERIES 3 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

FORM 1
BUSINESS STUDIES.
TIME: 1 ½ HOURS

Instructions.
Answer all questions in the spaces provided.

1.State four characteristics of basic wants. **(4mks)**

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2.Classify each of the following production activities as either Primary, Secondary or Tertiary. **(4mks)**

Activity	**Level of production**
Constructing a bridge	
Transporting medicines	
Growing vegetables	
Making tea	

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3.Name four commercial services which are useful to a manufacturer. **(4mks)**

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4.State the type if utility created in each of the following cases. **(4mks)**

i. There is exchange hence one is able to acquire what they do have.

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ii. Goods are stored until when they are needed.

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iii. Goods are taken to where they are required.

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iv. Converting goods to the right shapes and sizes required.

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5.Highlight four characteristics of Direct production. **(4mks)**

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6.What are the payments for the following factors of production. **(4mks)**

i. Labour

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ii. Capital

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iii. Enterprenuer

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iv. Land

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7.State four disadvantages of Division of labour and specialization. **(4mks)**

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8.State four functions of an entrepreneur. **(4mks)**

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9.Apart from shows and exhibitions list four other sources of business ideas. **(4mks)**

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10. Highlight four reasons why a business needs a business plan. **(4mks)**

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11. State four ways of classifying goods and services produced in an economy. **(4mks)**

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12. Name four duties carried out in an office. **(4mks)**

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13. Highlight four characteristics of a good filing system. **(4mks)**

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14. List four roles of filing in an office. **(4mks)**

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15. List three types of office layouts. **(3mks)**

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16. Name the office equipment used to perform each of the following tasks. **(4mks)**

a. Printing stamp impression on envelops.

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b. Cutting paper into required sizes

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c. Pinning papers together

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d. Recording, processing, sorting and retrieving information.

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17. State four factors to be considered when selecting office equipment. **(4mks)**

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18. State essential qualities of an office staff. **(3mks)**

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BRILLIANT STUDENTS

FORM 1 END TERM 3 SERIES 3 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

CHEMISTRY FORM 1
TIME: 2HRS

INSTRUCTIONS
- **ANSWER ALL THE QUESTIONS IN SPACES PROVIDED**

1.The pH scale has a range of values ranging from 0 to 14. On the pH scale, any substance with a pH value of 7 is neutral. Classify the following substances as either strong or weak acids or bases using their pH values. (4mks)

(a) pH 8:……

(b) pH 6:……

(c) pH1:……..

(d) pH12:……

2.Grape juice is sour while aloe juice tastes bitter. What name is given to substances which taste **(2mks)**
(a) Sour
……

……

(b) Bitter
……

……

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3.Complete the following word equation. **(7mks)**

(a) Acid + base ⟶ **……** + **……**

(b) Acid + **……** ⟶ salt + hydrogen gas

(c) Acid + Carbonate ⟶ **……**+ **……** + water

(d) Acid + Hydrogen Carbonate ⟶ salt + **……**+**……**

4.Study the table and answer the questions that follow. **(3mks)**

Solution	**Indicators**		
	Colour in A	Colour in B	Colour in C
Soap	Purple	Colourless	Orange
Baking powder	Blue	Pink	Yellow
Dilute hydrochloric acid	RED	Colourless	Pink
Vinegar	Red	Colourless	Pink

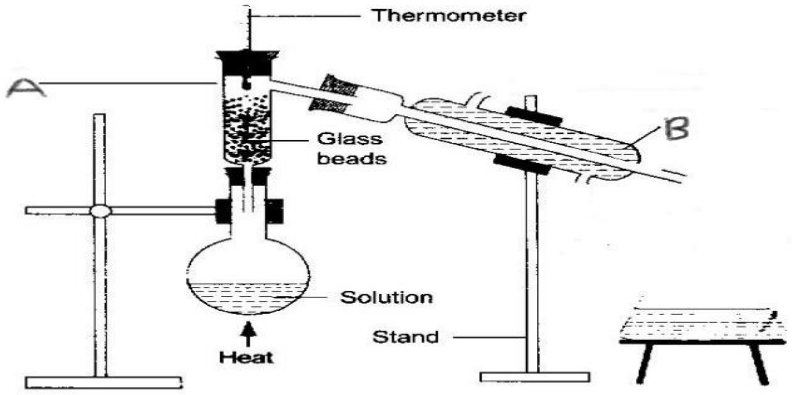
Identify the indicators A, B, and C

A……..

B…….

C……..

5.Use the diagram below to answer the questions that follow:



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(a) Name the process of separation above. **(1mk)**

……

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(b) Name the parts labeled A and B. **(2mks)**

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(c) Explain the role of glass beads. **(1mk)**

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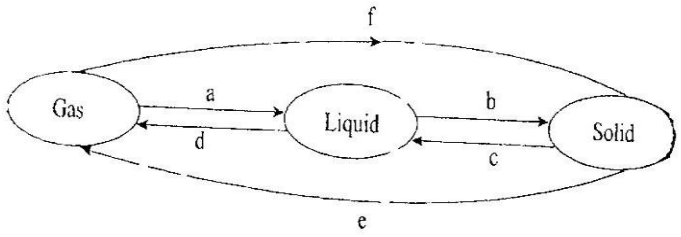
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(d) Indicate the direction of flow of water in apparatus B. **(2mks)**

6. Matter may change from one state to another under sustain conditions. Study the illustration below and answer question that follow. (6mks)



Name process A to F

A……

B……

C……

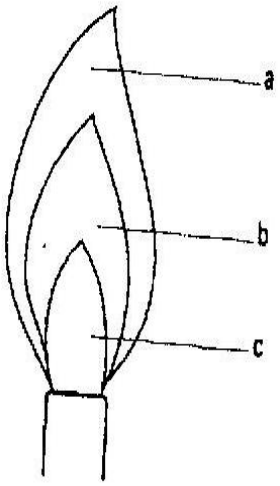
D……

E……

F……

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7.Consider the diagram below. (3mks)



Name the parts indicated on the diagram which are represent as a,b,c,

(i) Unburned gas zone**……**

(ii) Pale blue zone**……**

(iii) Green blue zone**…….**

8.State any **five** laboratory safety rules. **(5mks)**

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9. (a) The following table contains some elements. Study them and complete the table with correct chemical symbols. **(5mks)**

Elements	Chemical symbol
Sulphur	
Carbon	
Oxygen	
Hydrogen	
Nitrogen	
Magnesium	
Calcium	
Sodium	
Chlorine	
Copper	

(b) The following table contains chemical symbols. Write down the name of the element represented by the symbol. **(5mks)**

Chemical symbol	Name
Pb	
Fe	
K	
Ag	
Hg	

10. What is matter? **(1mk)**

……

……

……

11. Name the **three** states of matter **(3mks)**

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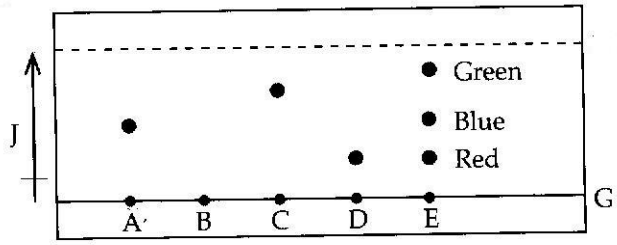
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12. The diagram below shows chromatograms for five different dyes.



(a) Name the technique used to separate the dyes. **(1mk)**

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(b) What properties are required to separate the chromatograms in a dye? **(1mk)**

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(c) On the diagram above label the solvent front by using a letter H. **(1mk)**

(d) Which letter represent baseline on the diagram. **(1mk)**

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(e) Which dye is insoluble? **(1mk)**

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(f) Which dye is pure? Explain **(1mk)**

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(g) Which chromatogram is most soluble? **(2mks)**

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13. Give **five** differences between non-permanent (physical) and permanent (chemical). **(5mks)**

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14. (a) Study the following table and classify the changes as non-permanent (physical) or permanent (chemical) after the action of heat. **(2mks)**

	Substance	Original colour before heating	Colour of residue after heating	Type of change
1	Copper ii Sulphate	Blue crystals	White powder (solid)	
2	Potassium	Purple	Black solid	
3	Zinc oxide	White (oxide)	Yellow when hot and white when cold	
4	Iodine	Black solid	Purple vapour when hot and black solid when cold	

When water was added to the white Copper II Sulphate it turned to blue, explain the type of change. **(1mk)**

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(i) What name is given to the blue copper II Sulphate? **(1mk)**

……

……

(ii) White Copper II Sulphate. **(1mk)**

……

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15. What is the confirmatory test for the presence of pure water? **(1mk)**

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16. Define the following

(i) Mixture **(1mk)**

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(ii) Compound **(1mk)**

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(iii) Write a word equation when iron metal is heated together with Sulphur element to form iron II Sulphide. **(1mk)**

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17. Name any **four** apparatus used to measure accurate volumes in the laboratory. **(4mks)**

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18. Describe how you would separate a mixture of Iodine, salt and sand. **(5mks)**

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19. Draw a well labeled diagram, how a mixture of oil and water can be separated. **(4mks)**

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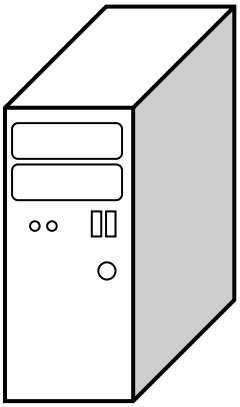
BRILLIANT STUDENTS

FORM 1 END TERM 3 SERIES 3 EXAMS

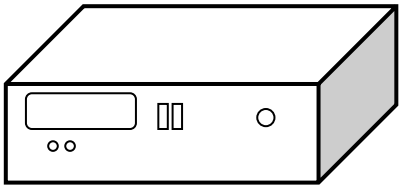
NAME: ……..…….……..……

SCHOOL: ……..……..……..

4. The illustrations below represent two orientations of a very important part of a desktop computer. Study them to answer the questions below:



A



B

(a) Name the object represented in the above images. **(1 mark)**

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(b) Identify the orientations represented in orientations **A** and **B**. **(2 marks)**

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(c) Give four components that are houses inside the object represented in the above images. **(2marks)**

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5) Give three reasons why a mobile phone is regarded to be a computer **(2 marks)**

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6.(a) Define the term 'computer laboratory' **(2 marks)**

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(b) Give two factors to be considered when preparing a computer laboratory **(2 marks)**

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7. a) List down three safety precautions one should observe when entering a computer laboratory **(3 marks)**

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b). Identify three facilities that will ensure proper ventilation in a room. **(3 marks)**

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8.State three reasons for warm booting your computer. **(3 marks)**

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9.(a) State two reasons why a computer needs to be connected to a stable power supply **(2 mark)**

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(b) List down three functions of the uninterruptible Power Supply (UPS) **(3 marks)**

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10. Mention two things that are likely to cause strain- in the computer room **(3 marks)**

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11. (a) What is a peripheral device? **(1 mark)**

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(b) Give **three** examples of **common** peripheral devices. **(3 marks)**

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12. What is the difference between analog and digital computers? **(2 marks)**

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13. Give **two** reasons why smaller computers like laptops tend to be more expensive than desktop computers. **(2 marks)**

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14. Computers are classified using **three** criteria namely, **functionality, purpose** and **physical size**. In each of these classes, name and describe:

(a) Three types of computers under classification by **functionality**. **(3 marks)**

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(b) **Three** types of computers under classification by **purpose**. **(3 marks)**

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15. (a) Explain the meaning of the following mouse techniques:

(i) Clicking **(1 mark)**

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(ii) Dragging **(1 mark)**

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(iii) Right clicking **(1 mark)**

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(b) Describe **three** categories of keys found on the keyboard. **(3 marks)**

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(c) Describe the following terms as used in computers: **(2 marks)**

(i) Cold booting

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(ii) Warm booting

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(d) Define the following terms: **(4 marks)**

(i) Information

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(ii) Processing

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(iii) Input

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(iv) Data

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16. (a) i) What is a softcopy output? **(1 mark)**

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ii) Give four differences between an impact and non-impact printer. **(4marks)**

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(b) Give five differences between a CRT and flat panel screen. **(5 marks)**

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(c) State five reasons why one may go for a hardcopy output. **(5 marks)**

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17. a) What do the following acronyms mean in full**:** **(2mks)**

i) VDU

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ii) LCD

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iii) VGA

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iv) XGA.

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b). State any five factors to consider when choosing a printer **(5mks)**

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c) i) Briefly define a computer bus. **(2mks)**

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ii) Describe three types of computer buses. **(6mks)**

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iii) What is a drive? **(2mks)**

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iv) State four types of computer drives. **(4mks)**

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BRILLIANT STUDENTS

FORM 1 END TERM 3 SERIES 3 EXAMS

NAME: ……..

SCHOOL: ……...

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

CHRISTIAN RELIGIOUS EDUCATION FORM 1
TIME: 2HRS

Answer ALL questions in the spaces provided (80 mks)

1.Give **five** reasons why the bible is referred to as the word of God. **(5mks)**

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2.Mention five ways in which God speaks to us through the bible. **(5mks)**

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3.State five occasions when Christians in Kenya use the bible. **(5mks)**

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4.Name **five** Deuterocanonical books used by the Catholics **(5mks)**

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5.Identify five historical books in the old testament **(5mks)**

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6.Give five versions of the bible used by Christians in Kenya today **(5mks)**

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7.Identify **five** responsibilities given to human beings in the Genesis stones of creation **(5mks)**

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8.Outline five differences in the two accounts of creation in Genesis 1and 2 **(5mks)**

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9.In what ways are human beings special than other creatures from the Genesis stories of creation **(5mks)**

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10. Identify five causes of evil in Kenya today. **(5mks)**

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11. Outline the promises of God to Abraham. **(5mks)**

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12. Identify five characteristics of a covenant. **(5mks)**

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13. Give five reasons why Moses was unwilling to go back to Egypt. **(5mks)**

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14. Identify five lessons that Christians learn <u>about God</u> from the call of Moses. **(5mks)**

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15. Identify five ways in which God revealed himself to the Israelites at Mt Sinai. **(5mks)**

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16. List Five commandments given to the Israelites that teach on how to relate to one another. **(5mks)**

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BRILLIANT STUDENTS

FORM 1 END TERM 3 SERIES 3 EXAMS

NAME: ……..

SCHOOL: ……...

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

ENGLISH
FORM ONE
TIME: 2 HOURS

Answer all the questions in the spaces provided.

SECTION 1
FUNCTIONAL WRITING (20 MARKS)

Write a letter to your mother informing her how you are doing at school after reporting back.

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SECTION 2
COMPREHENSION: (20 MARKS)

Read the passage below and answer the questions that follow.

BATTLE AT THE MANDAZI KIOSK

There was a nasty fight at the shopping centre this morning. I watched it all and I thought it was rather silly and sad. I mean, why should two grown-up human beings fight in public, like cockerels, over a little matter which they can settle through a simple discussion. Anyway, it all started with Mwakawago, the bicycle mechanic, going up to Amina's kiosk and ordering two mandazi. He gave Amina fifty shillings and she gave him the mandazi. When Mwakawago asked for his change, Amina told him there was no change. Mwakawago could not believe his ears. He knew that mandazi cost twenty shillings each, and he expected change of ten shillings from his fifty shillings

"What do you mean?" he asked Amina.

"The price has gone up to twenty-five shillings each," said Amina simply.

"When did you raise the price? Why didn't you tell us?" asked Mwakawago angrily.

"Well, I am telling lyo now,: retorted Amina. "Where would I find the time to go ttelling every Ali, Cherono and Oyango about price changes?"

"Why didn't you put up a public notice? You thief,: bellowed Mwakawago fiercely, "You went rob me in broad daylight"

:"I'm not a thief," Amina reiterated.

"Maybe your mother is"

"What did you say?" asked Mwakawago, his voice thick with threat.

Amina tightened the knot on the *leso* round her hips, looked Mwakawago straight in the eye and said, "You have no right to come here and call me a thief when I am just going about my business. If you do not want my mandazi, just give them back and take your lousy money"

"And where does my mother come in?" asked Mwakawago furiously.

"Go and ask her," Amina shouted back.

Flying into a rage, Mwakawago threw the mandazi straight into Amina's face.

Then he grabbed her by the front of her blouse and pulled her from behind the low table on which her basket of mandazi sat. In the struggle they upset the table, and the basket and mandazi scattered in the dust all over the road. Mwakawago slapped Amina twice, spitting a stream of insults at her at the same time.

Just then Amina gave Mwakawago three sharp kicks on the shins and he reeled back, yelling in pain and letting go of Amina's blouse. Amina picked up a pot of boiling oil and aimed it at Mwakawago. Luckily it missed him. Then Amina grabbed a knife and dashed at Mwakawago, who had picked up a huge stone and was threatening to hurl it at her.

Fortunately, a small crowd of neighbours who had gathered around the combatants restrained them just in time. Mama Kivumbi, the vegetable seller got hold of Amina and tried to calm her down. Mwakawago was held back by

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Simiyu from the carpentry workshop and Maneno, the barber. Amina and Mwakawago kept yelling insults at each other. Eventually, Karimi, the charperson of the market Traders' Association, was called. She asked everyone to be quiet so that they could resolve the conflict in a reasonable manner.

"First," Said Karimi, "how did this whole thing begin?'

It was, however, not easy to get a clear picture of what exactly had happened. Amina insisted that Mwakawago had attacked her without any provocation, Mwakawago, on the other hand, just kept saying that Amina had insulted his mother, and tried to cheat him.

In a short time, the crowd of traders and other bystanders was divided into two groups. One group supported Mwakawago and said that Amina was in the wrong. She had provoked Mwakawago, especially by insulting his mother. The other group, however, argued that it was Mwakawago who was at fault. He had no business going round slapping innocent traders in their kiosks and scattering their mandazi on the road. Karimi listened patiently to the arguments from each side.

After a while she said, 'I am glad we are all discussing this matter rationally. Maybe if Amina and Mwakawago had talked over their differences, this unfortunate fight need not have taken place."

"Madam," said Simiyu, "these two were tearing at each other like wild cats. I think they should both be disciplined"
"That may be important, Simiyu," answered Karimi, "but I think reconciliation and an amicable understanding is what Amina and Mwakawago need most now:.

Finally, it was agreed that Karimi and a few fellow traders would help Amina and Mwakawago resolve their differences in the privacy of Karimi's shop. As Amina, Mwakawago and the team of peacemakers headed for Karimi's shop, the crowd dispersed.

QUESTIONS:

1. What does Mwakawago do for a living? **(2 mks)**

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2. Explain in one sentence why Mwakawago does not get the change he expected. **(2 mks)**

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3. Point out one way in which Amina could have informed her customers about the price increase. **(2 mks)**

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4. Give two rude remarks which Amina makes to Mwakawago. **(2 mks)**

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5. Why do you think Amina tightens the knot on the leso around her hips? **(2 mks)**

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6. How would you describe the personality of Mwakawago? **(2 mks)**

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7. What does Amina do that portray her as a violent person? **(2 mks)**

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8. Explain how the crowd reacted to Amina and Mwakawago's fight. **(2 mks)**

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9. Identify and explain one use of a simile in the passage. **(2 mks)**

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10. Explain the meaning of the following phrases as used in the passage: **(2mks)**

(i) Every Ali, Cherono and Onyango –

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(ii) Going about my business -

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SECTION 3:
CLOZE TEST (10 MARKS)
Fill in the blank spaces in the excerpt below

Since caning was _1_____ from our schools, many teachers feel like their hands are _2_____ and they just watch as things grow from bad to worse.
Some _3_____ have taken advantage of this situation and they feel they can do anything and get __4_____ with it because there are no consequences for their behavior.

It is very important to __5_____ open communication between teachers, students and school administration. This can help the teachers know and understand what is going on with their students.

There are schools that have _6_____ boxes that students use to write about the issues that need attention. If there is a _7_____ relationship between teachers and students that is __8_____ by genuineness, trustworthy, empathy and understanding, then the students will __9_____ free to speak out their fears, and concerns. Some of the incidents that we have witnessed are a way of students crying out for _10_____

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SECTION 4:
ORAL SKILLS (5 MARKS)

Identify the silent letter in the following words:

1. Debt –

2. Write –

3. Psalm –

4. Ghost –

5. Dormitory –

SECTION 5:
GRAMMAR
(a) Fill in the gaps in the following sentences using a suitable collective noun. (4 mks)

1. He is the leader of the _____ that was terrorizing the villagers.

2, The driver gave me a _____ of boys.

3. The groom came with a _____ of cars.

4. It is advisable to travel in a _____ while in remote places.

(b) Fill in the blanks using the plural forms of the words in brackets. (6 mks)

1. He bought _____ at the market (axe)

2. There were many _____ in the granary (mouse)

3. We were asked to bring two _____ each. (knife)

4. We share all our _____ in school equally (duty)

5. All his _____ died during the dry season (sheep)

6. My neighbor keeps a flock of _____ in his compound. (goose)

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(c) Give one word that is pronounced the same as the ones below.

1. Won –

2. March –

3. Heir -

4. Fowl -

5. Tea -

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BRILLIANT STUDENTS

FORM 1 END TERM 3 SERIES 3 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

GEOGRAPHY FORM 1
TIME: 1 HR

Answer all the questions

1) Identify two parts of environment **(2mks)**

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2) List two theories that explain the origin of solar system **(2mks)**

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3) List the first, seventh and the nineth planet **(2mks)**

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4) Explain

a. Asteroids **(2mks)**

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b. Comets **(2mks)**

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5) Explain 5 proofs that the earth is spherical. **(10mks)**

6) Explain five effects of rotation. **(10mks)**

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7) Explain three characteristics of northern summer. **(6mks)**

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8) a. list five element of weather. **(5mks)**

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b. List 5 major forms of precipitation. (5mks)

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c. list five main types of fog. **(5mks)**

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9) Use a well labeled diagram to explain formation of convectional rainfall. **(10mks)**

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b. Explain characteristics of conventional rainfall. **(10mks)**

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10).a. Explain how land breeze is formed. **(20mks)**

(Drawing) **(10mks)**

Explanation **(10mks)**

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11) a. Explain four factors to consider when setting a weather station. **(8mks)**

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b. Name the weather measuring instruments kept in Stevenson screen. **(3mks)**

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c. Name the instrument used to measure. **(3mks)**

a) Rainfall: **.....**

b) Humidity : **.....**

c) Speed of wind: **.....**

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BRILLIANT STUDENTS

FORM 1 END TERM 3 SERIES 3 EXAMS

NAME: ……

SCHOOL: ……

ADM NO: …… **SIGN:** …… **DATE:** ……

HISTORY FORM 1 EXAM

TIME: 2 HRS

QUESTIONS

1.Give four forms of oral traditions. **(4mk)**

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2.Explain **two** reasons why Africa is considered the cradle of mankind **(4mks)**

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3.Explain features of Homo Sapiens. **(10mks)**

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4.Explain the culture of easily man in new stone age. **(10mks)**

5.Explain 5 benefits of domesticating animals (10mks)

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6.Explain factors that necessitated easily man o begin growing crops and rearing animals. (**10mks)**

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7.Explain five impacts of early agriculture in Mesopotamia. **(10mks)**

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8.a. List 5 communities that belong to Eastern Bantu group. **(5mks)**

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b. Explain five effects of Bantu Migration and settlement. **(10mks)**

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9.Name the earliest languages group to arrive in Kenya from other part of the world. **(1mks)**

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b. Identify the earliest inhabitants of Kenya. **(1mk)**

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c. Name two islands of Lake Victoria where the Abasuba settled from Uganda. **(2mks)**

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d. Name one Kalenjin speaking community. **(1mk)**

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10. Explain the social organization of the Agikuyu in the pre-colonial period **(10mks)**

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11. Explain factors that led to early agriculture in Egypt. **(10mks)**

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BRILLIANT STUDENTS

FORM 1 END TERM 3 SERIES 3 EXAMS

NAME: ……..

SCHOOL: ……...

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

HOMESCIENCE EXAM

TIME: 2 1/2 HOURS

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

1.List down three attributes of a well-groomed person. **(3mks)**

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2.State three undesirable effects of wearing tight fitting shoes. **(3mks)**

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3.Differentiate between Dermis and Epidermis. **(2mks)**

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4.Highlight four undesirable behaviors that are common during adolescence in both sexes. **(4mks)**

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5.Differentiate between the following common accidents.

i) Suffocation and fainting **(2mks)**

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ii) Burns and scalds **(2mks)**

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6.Identify two ways in which medicine is abused. **(2mks)**

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7.List down four accessories you would put on when attending an interview. **(2mks)**

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8.Give a reason for each of the following practices when dusting surfaces.

a) Using a folded duster. **(1mk)**

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b) Dusting surfaces from the top to the bottom. **(1mk)**

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9.Suggest four well known kitchen plans. **(4mks)**

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10. Give two responsibilities of a landlord to the tenants. **(2mks)**

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11. State the functions of the following small kitchen equipment. **(3mks)**

i) A spring balance.

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ii) Rolling pins

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iii) A colander

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12. Point out five steps to follow in caring for your feet. **(5mks)**

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13. Suggest three design features for a tall plump figure. **(3mks)**

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14. State four main aims of giving first aid. **(4mks)**

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15. Point out five points to consider when choosing brooms and brushes. **(5mks)**

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16. Outline four points to remember when cleaning a wooden spoon. **(4mks)**

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17. Highlight four reasons for cleaning a house. **(4mks)**

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18. State four good reasons for polishing leather shoes. **(4mks)**

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19. Give two symptoms of a sprain. **(2mks)**

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20. Mention two side effects from use of medicine. **(2mks)**

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21. State four practices you will avoid when using cosmetics. **(4mks)**

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22. Suggest two effective methods of sterilizing a white cotton handkerchief. **(2mks)**

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23. List down four methods of removing loose dirt. **(4mks)**

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24. Point out four factors that influence the choice of clothes. **(4mks)**

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25. Outline the procedure of caring for a household duster after use. **(4mks)**

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26. Give four importances of Home Science to an individual. **(4mks)**

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27. List down four examples of improvised abrasives. **(4mks)**

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28. Highlight two qualities to look for when buying a dust pan. **(2mks)**

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29. Mention four different examples of labour saving equipment. **(4mks)**

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30. State four factors to bear in mind when buying a house. **(4mks)**

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FORM 1 END TERM 3 SERIES 3 EXAMS

JINA: ……

SHULE: ……..

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

KISWAHILI KIDATO CHA KWANZA
MTIHANI WA MWISHO WA MUHULA WA TATU,
MUDA: SAA 2.
SEHEMU A FAHAMU (ALAMA 15)

Soma makala yafuatayo kasha ujibu maswali yafuatayo

sigara ni mojawapo ya uraibu ambao watu wengi san hushiriki. Kila uchao vijana wa kike na kiume hujitosa katika uraibu huu hatari kwa kujua au kwa kutojua. wengine huvutiwa kuvuta sigara kwa kulazimishwa na wenzao ili waweze kukubalika katika tabaka au kundi Fulani. ushawishi wa aina ndio hujulikan kama shinikizo – rika. Wengi hawafahamu madhara ya sigara kwa vile hayonekani moja kwa moja. Madhara yake huchukua muda mrefu kabla ya kuonekana au kudhihirika. Yanapofika kiwango hiki, mvutaji huwa amefikia uharibifu wa viungo vya ndani kwa hali ya juu. Si kupiga chuku ikisemekana kuwa mguu mmja huwa duniani na mwingine ahera

Madhara ya uvutaji sigara husbabishwa na kemikali zilizomo katika sigara. Sigara husheheni kemikali zaidi ya elfu nne. Nyingi za kaemikali hizi ni hatari na hudhuru. Kati ya zile zenye madhara makubwa kwa mwili wa mwanadamu an ambazo husababisha maradhi baada y kuvutwa kwa muda ni nikotini, hewa ya kaboni-monkasaidi na lami.

Kemikali hizi huingia mwilini kupitia kwa mapafu na kusababisha madhara mwilini. Baadhi ya maradhi ambayo husababishwa na uvutaji sigara ni pamoja na maradhi ya kansa, vidonda nya tumbo na shinikizo la damu. Shinikizo hili linaweza kuleta maradhi ya moyo na kupooza kaw mwili

Moshi wa sigara nao unapovutwa mwilini hingia na kugandama katika kingo za mapafu kama lami. Lami nayo huwa na sume kali anayoweza kuharibu mapafu. Umio na hufanya kuwa mwembamba ns sumu hii. Hii husbabisha kuweko kwa unyevu kama makamasi mengi. Ni muhimu kujua kuwa hata kupumua mishi wa sigara tu, kunaweza kudhuru afya yako.

Kwa kina mama wajawazito madhara ya moshi wa sigara huwa makubwa. Sigara inaweza
kuharibu mimba au kufanya motto akazaliwa kabla ya wakati kutimia. Aidha, anaweza kuzaliwa akiwa wa chini sana. Hali hizi ni hatari kwa afya na maisha ya motto kama huyo.

Watemgenezaji wa sigara wanajua pasi na shaka madhara ya sigara kwa afya ya mwanadamu. Kwa kuzinagatia hili, onyo hutolewa kwenye pakiti za sigara kuwa uvutaji una madhara kwa afya yako. Hata hivyo, si wengi ambao

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hutilia maanani maonyo na tahadhari hizi. Lakini kwa huwa haja yao kubwa in pato, bado humarisha utengenezaji wazo. Si ajabu kusikia kuwa ni hatia kuuza sigara katika baadhi ya nchi, hasa zilizoendelea.

Makapuni ya kutengeneza sigara hutumia hila ili kuwavutia wavutaji wengi. Kwanza, matangazo hutolewa kwa njia nyingi za mawasiliano kama vile runinga, redio na magazeti.

Nayo hunadi Starehe kuu kwa wavuaji. Kwa kuwa wanajua madhara ya sigara, huweka onyo pembeni mwa pakiti kwa maadishi madogo sana yasiyoonekana vyema wala yasiyoivutia makini ya watu.

kunaya ni kuwa makampuni yanayotengeneza sigara ndiyo huongoza katika kuelimisha vijana walio chini ya miaka kumi na minane huhusu madhara ya sigara! Kinaya au uzandiki? huenda hii ni mbinu ya kuwahamasisha vijana kuhusu kuwepo kwa bidhaa zao ili wawe wateja wa siku za usoni. Uvutaji wa sigara unaweza kudhuru sio tu watu chini ya umri wa miaka kumi na nanem Mtu anapovuka miaka kumi na nane, bado ataathiriwa na uvutaji wa sigara! Ukweli ni kuwa uvutaji wa sigara una madhara mengi na husababisha magonjwa yanoyoangamiza tuambianie ukweli.

1.Ipe anwani mwafaka taarifa **(alama 1)**

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2.Sigara husheheni idadi ya sumu? taja tatu kati ya hizo. **(alama 3)**

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3.Eleza madhara mawili y uvutaji wa sigara **(alama 4)**

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4.Eleza hila zinazotumiwa na makapuni ya sigara kuwavutia wateja. **(alama 4)**

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5..Taja sababu tatu zinazowafanya vijana kuvuta sigara. **(alama 3)**

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6. Eleza maana ya msamiati ufuatao kama uliyotumiwa katika makala.

i) Shinilizo - rika

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ii) Hunadi

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SEHEMU B MATUMIZI YA LUGHA (ALAMA 50)

1. Sarufi ni nini. **(alama 2)**

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2. Matamshi ya konsonanti za Kiswahili hubainishwa kutegemea vigezo vitatu. Vitage **(ala4)**

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3. a. Eleza maana ya.

i. sauti ghuna . **(alama 2)**

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ii. Sauti hafifu. (alama 2)

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b) Orodhesha konsonanti mbilimbili ambazo ni;

i. Vizuio – kwamiza

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ii. Vipasuo vya kaakaa laini

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iii. Vipasuo vya ufizo

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4. a. Eleza maana ya silabi **(alama 2)**

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b) Andika maneno mawilimawili yenye muundo wa silabi ya:

i) Irabu ……

ii) Silabi mwambatano ……

5. a. Bainisha aina za maneno katika sentensi zifuatazo. **(alama 2)**

i) Maria hufikiri sana siku hizi

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b. Nomino hizi katika ngelo gani? **(alama 2)**

ii) Ukuti

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6. Tulipokuwa tunaagana na sahibu Wangu aliniandikia anwani yake ambayo ni slp 5 namsore **(alama 2)**

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7. Andika kwa wingi.

Upepo wa kusini ulipeperusha bati la paa la nyumba na kuharibu kifaa muhimu. **(alama 2)**

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8. Tunga sentensi yenye mapangilio ufuatao. **(alama 2)**

nomino+kivumishi+kitenzi+kielezi+kielezi

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9. Tofautisha kati ya shadda na kiimbo

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10. Taja na ueleze aina mbili za ala za matamshi toa mifano kwa kila aina.

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11. Huku ukitoa mifano mwafaka, eleza maana ya"

i. Vitawe

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ii. Visawa:

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12. Onyesha silabi inayowekewa shadda kwenye maneno yafuatayo.

i. Karatasi

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ii. Barabara (shwari)

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iii. Barabara (njia kuu)

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iii. Barabara (njia kuu)

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13. Eleza maana ya nasahau hizi

i. Jipalia makaa

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ii. Enda dalji

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14. a.Tofautisha kati ya konsonanti na Irabu. **(alama1)**

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b. Utamkaji wa irabu hu tegemea sifa tatu zitaje. **(alama3)**

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SEHEMU C:

ISIMU – JAMII (ALAMA 15)

i. Eleza maana ya isimu jamii **(alama3)**

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ii. Lugha ni nini. **(alama3)**

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iii. Fafanua majukumu matano yanyotekezwa na lugha katika jamii.(alama 10)

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SEHEMU D: FASIHI (ALAMA 20)

I. Eleza maana ya Fasihi simulizi. **(alama2)**

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ii. Eleza dhima ya Fasihi katika jamii. **(alama5)**

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iii. Andika tanzu zozote tatu za Fasihi simulizi. **(alama 3)**

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iv. Eleza tofauti tano kati ya Fasihi simulizi. Andishi. **(alama10)**

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BRILLIANT STUDENTS

FORM 1 END TERM 3 SERIES 3 EXAMS

NAME: ……

SCHOOL: ……..

ADM NO: …… SIGN: …… DATE: ……...

MATHEMATICS
FORM ONE

Instructions.
Answer all questions in the spaces provided.

1.Express the following numbers in words. **(2mks)**

a) 14633001

b) 30000010

2.A matatu charges sh. 120 as fare from town A to town B. It has a capacity of 18 passangers. How much money does it make in one day covering 10 trips with full capacity. **(3mks)**

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3.Use the divisibility test of 11 to check whether the following numbers are divisible by 11. **(2mks)**

a) 1048564

b) 1120043

4.Use Bodmas to evaluate. **(3mks)**

$$\frac{\frac{1}{2}\left[\frac{3}{5}+\frac{1}{4}\left(\frac{7}{3}-\frac{3}{7}\right)\text{ of }1\frac{1}{2}\div 5\right]}{3\frac{5}{7}}$$

5.Victoria spent ¼ of his net January salary on school fees. She spent ¼ of the remainder on electricity and water bills. She then spent $\frac{1}{9}$ of what was left on transport. If she finally had sh. 3400. What was her net January salary. **(3mks)**

6.Using mathematical tables evaluate.

a) 7340^2 **(1mk)**

b) $14.5^2 + 0.714^2$ **(2mks)**

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7. Given that a:b = 1:2 and b:c = 3:4. Find a:b:c **(1mk**

8. Three bells ring at intervals 30mins, 35mins and 50 mins. If they ring together at 11:25 p.m on Monday at what time and day will they next ring together? **(3mks)**

9. The length of minute hand of a clock is 3.5cm. Find the angle it turns through if it sweeps an area of 4.8cm^2. (take $\pi = {}^{22}/_{7}$) **(3mks)**

10. Express the following as a single fraction.

a) $\frac{x-1}{2} + \frac{x+2}{4} + \frac{x}{5}$ **(3mks)**

b) $\frac{ax - ay + bx - by}{a+b}$ **(2mks)**

11. Fifteen tractors each working eight hours a day takes eight days to plough a piece of land. How long would it take 24 tractors each working 10 hours a day to plough the same piece of land. **(3mks)**

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12. Use factor tree to decompose 256 into prime factors. **(2mks)**

13. Juma, Ali and Hassan share the profit of their business in the ratios 3:7:9 respectively. If Juma receives sh. 6000. How much profit did the business yield. **(3mks)**

14. Use bodmas to evaluate: **(4mks)**

$$\frac{5x6-76\div4+27\div3}{4-2x4+36\div4}$$

15. A Kenyan bank buys and sells foreign currency as shown in the table below.

	Buying (ksh)	**Selling (ksh)**
1 us dollar	95.34	95.87
1 uk pound	124.65	125.13

A tourist arrived in Kenya with 15000 pounds which he converted in kshs.

a.How much kshs did he receive? **(2mks)**

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b. He later spend sh. 125340 while in Kenya. He converted the remainder in dollars. How many dollars did he receive? **(3mks)**

16. A metallic cuboid measuring 16cm by 8cm by 4cm was melted. The material was used to make a cube. What is the length of the cube. **(3mks)**

17. Find a if $a^2 = b^2 + c^2$ given that b=2 c=3.5. **(2mks)**

18. Below is a travel timetable for a vehicle operating between towns A and D 70 km apart.

Town	**Arrival**	**Departure**
A		10.10 am
B	10.30am	10.40 am
C	11.00 am	11.05 am
D	11.20am	

a.At what time does the vehicle depart from town A? **(1mk)**

b. How long does it take to travel from town A to town B? **(1mk)**

c.For how long does it stay in town B? **(1mk)**

d. At what time does it arrive in town D? **(1mk)**

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e. What is the average speed of the whole journey? **(3mks)**

f. A football match lasts 90 minutes with a break of 15 minutes at half time. If a referee allows five minutes extra for injuries and stoppages, what time does a match which kicks off at 4:30 pm end? **(3mks)**

19. A rectangular plot measures 100m by 200m. Determine:

a. Its perimeter in km. **(2mks)**

b. Its area in m^2. **(2mks)**

c. Its area in ha. **(2mks)**

d. Square tiles of 100cm by 100cm are used to cover the floor. How many tiles are used? **(2mks)**

e. If the cost of 1 tile is sh. 25. How much money will be spent on tiles. **(2mks)**

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FORM 1 END TERM 3 SERIES 3 EXAMS

NAME: ……..

SCHOOL: ……...

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

232 PHYSICS

FORM 1

TIME: 1 HOUR 45 MINS

INSTRUCTIONS TO CANDIDATES:

- Write your name, admission number and class in the spaces provided above.
- The paper consist of two Sections A and **B**. Answer all the questions in the spaces provided.
- Mathematical tables may be used.

FOR EXAMINER'S USE ONLY:

SECTION	MAXIMUM S	CANDIDATE'S SCORE
A	40	
B	30	

TOTAL SCORE | |

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SECTION A - (40 MARKS)

1. Define the term physics. **(1 mark)**

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2.State **three** career opportunities related to physics. **(3 marks)**

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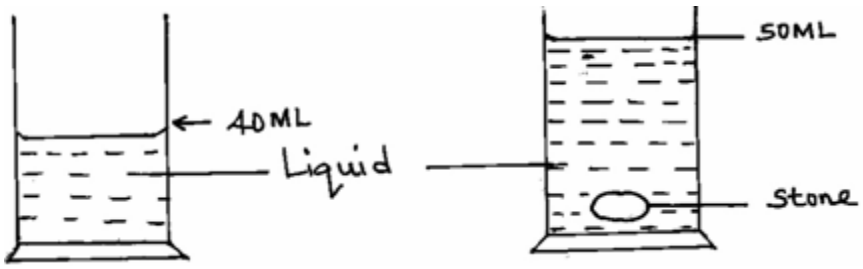
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3.The table **below** shows some basic quantities and their SI units. Complete the table to show the missing entries. **(2 marks)**

	Quantity	S.I unit	Symbols
1		Candela	
2	Amount of substances		

4.A stone of mass, 40g was completely immersed in a liquid. The levels of the liquids are shown in the figure.



Determine the density of the stone in SI unit. **(2 marks)**

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5. (a) One of the factors that affect surface tension is temperature of the liquid. State o**ne** other factor. **(1 mark)**

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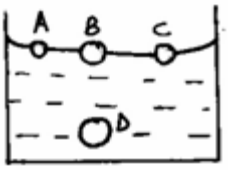
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(b) Use surface molecules **A**, **B**, **C** and inner molecule **D** shown **below**, to explain why surface of a liquid is under tension. **(2 marks)**



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

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7.1800cm^3 of fresh water of density 1000kg/m^3 is mixed with 2200cm^3 of sea water of density 1025kg/m^3. Calculate the density of the mixture **(4mks)**

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8. State the reason why it may not be possible to suck a liquid in to your mouth using a drinking straw in the surface of the moon. **(1 mark)**

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9. In building construction, beans made of concrete are reinforced with steel. Explain. **(2 marks)**

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10. When a liquid is heated in a glass flask, its level first falls and then rises. Explain this observation. **(2 marks)**

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11. Name the thermometric liquid that is most suitable to use in very cold places. **(1 mark)**

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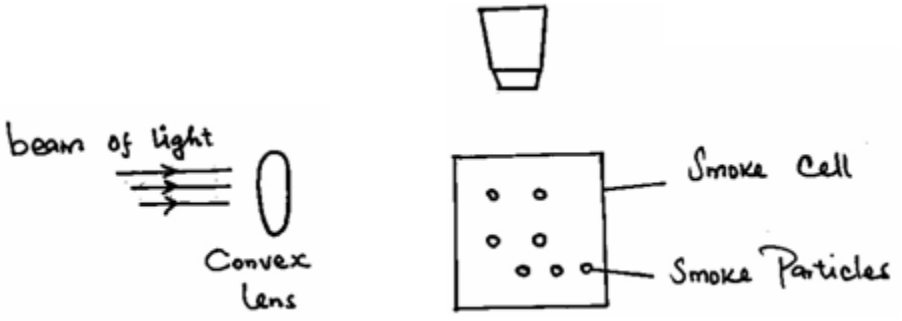
12. (a) State **one** factor which makes gases compressible. **(1 mark)**

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(b) The figure **below** shows a set up used to demonstrate Brownian motion in gases.



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State the role of the; **(3 marks)**

(i) Convex lens.

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(ii) Microscope.

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(iii) Beam of light.

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(c) Define the term diffusion. **(1 mark)**

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13. Highlight **two** factors which shows that heat from the sun does reach the earth surface by convection. **(2 marks)**

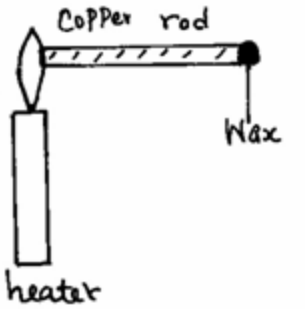
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14. The figure **below** shows some wax at the end of a copper rod.



State **three** factors that affect the rate at which the wax melts. **(3 marks)**

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15. (a) Define force and give its S.I units **(2mks)**

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(b) State **three** effects of force on an object **(3mks)**

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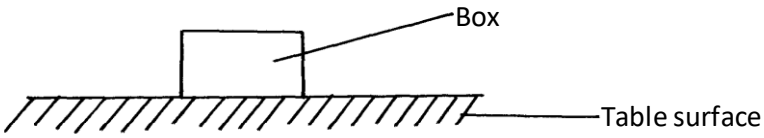
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(c) Name and show forces acting on a box placed on a table. **(2mks)**



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SECTION B - (30 MARKS)

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

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

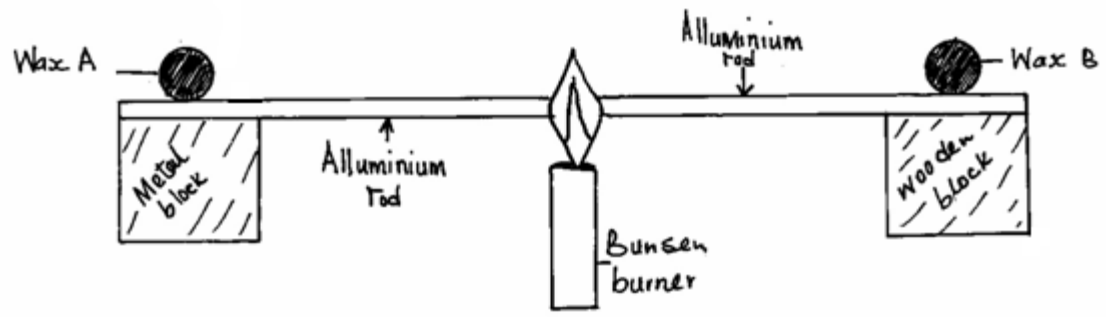
b) The mass of one sheet of paper **(2 marks)**

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

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

17. (a) **Two** identical aluminium rods shown in the figure **below** are heated by the same Bunsen burner. One rests on a metal block and the other on a wooden block.



State with a reason which wax is likely to melt. **(2 marks)**

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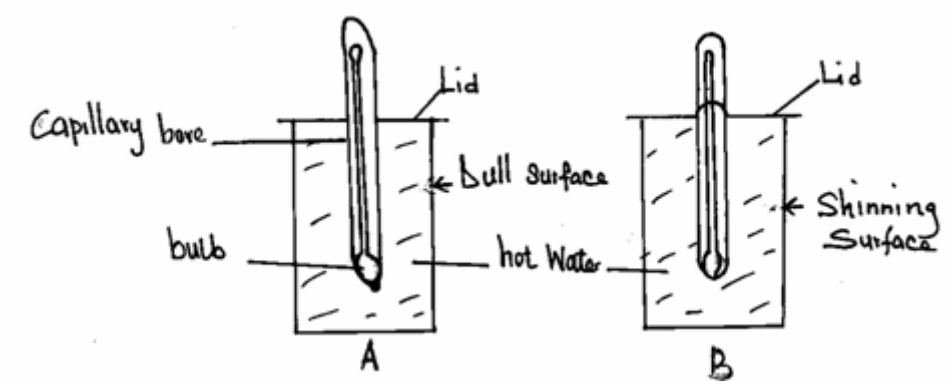
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(b) Two identical cans **A** and **B** were each filled with hot water at the same temperature and covered with an air tight lid as shown **below**.



Given that the outer surface of can **A** is dull while that of **B** is shiny, state with a reason which thermometer would show lower temperature after ten minutes. **(2 marks)**

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(c) State the purpose of the following features of a thermometer. **(3 marks)**

(i) Narrow capillary bore.

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(ii) Thin bulb.

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(iii) Thick glass stem.

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(c) State **three** properties of mercury that makes it a good thermometric liquid. **(3 marks)**

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18. States the reason why it is not correct to quote the weight of solid objects in kilograms. **(1 mk)**

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19. Wasike found that the width of his desk was approximately 10 palm-lengths. If his palm was 15.0cm long, what was the width of his desk in metres? **(3 mks)**

20. Describe how to estimate the height of a tree using a rod of about 2m long and a tape measure. **(3 mks)**

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21. The mass of an empty density bottle is 20g its mass when filled with water is 40.0g and 50.0 when filled with liquid x. Calculate the density of liquid X if the density of water is $1000kgm^{-3}$. **(3 mks)**

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