EXCELLING STUDENTS FORM 1 END TERM 2 SERIES 2 EXAMS *(ALL SUBJECTS TESTED)*



EXCELLING STUDENTS FORM ONE END TERM TWO SERIES TWO EXAMS

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ORDER OF THE 14 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. **I.R.E**
12. **KISWAHILI**
13. **MATHS**
14. **PHYSCIS**

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2

AGRICULTURE

(QUESTION PAPER)

FORM ONE

TIME: 1½ HOURS

INSTRUCTIONS

- Answer All the question
- Write youe answera in the spaces provides

SECTION A (70 MARKS)

1. State four advantages of mixed farming **(4mks)**

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2. Outline the role of agriculture in the economu of Kenya1` **(2mks)**

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3. Differentiate between olericulture and pomology **(2mks)**

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4. State two ways in which agriculture contributes directly to the development of industries **(2mks)**

5. State four conditions under which shifting cultivation is practices **(4mks)**

6. List four major branches of agriculture **(2mks)**

7. Name **four** factors which determine the system of farming in a given place **(4mks)**

8. State the most important aspects of the rainfall in a given area **(2mks)**

9. Give **three** harmfull effects of wind crop growth **(3mks)**

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10. List t**hree** effects of soil organisms which benefit crop growth **(3mks)**

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11. State two causes of hard pand in a crop field. **(2mks)**

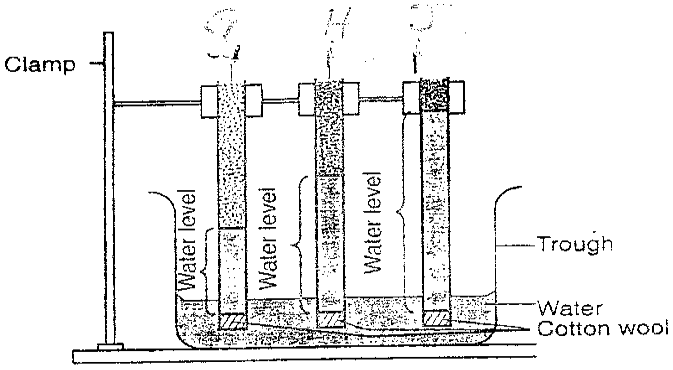
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12. The diagram below shows an experiment set up using soil types G,H anf J and observation made after 24 hours. Study the diagram and answer the quation that follow.



a) What is the experiment represented above sedigned to study? **(1mk)**

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b) Name the three soil types G, H and J **(3mks)**

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c) What is the characteristics texture of soil types G and J **(1mk)**

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d) State how the farmer would improve the structure of soil type G **(1mk)**

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13. State three advantages of adding organic matter to sandy soil **(3mks)**

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14. Name the tools or equivalent used for each of the following farm practices. **(3mks)**

a) Castrating bulls……..

b) Detecting matitis in lactating cows……

c) Giving livestock drugs to kill worms……

15. What is the functional difference between a wood chisel and a cold chisel **(1mk)**

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16. State three maintenance practices that should be carried out on a wheelbarrow **(3mks)**

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17. List **four** tools used for laying concrete blocka when constructing a wall of a calf pen **(2mks)**

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18. Give two used of a ball pein hammer **(2mks)**

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19. Where in the body of livestock is the clinical thermometer placed? **(1mk)**

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20. Give three conditiones under which a fork jembe would bemore suitable for use then an ordinary jembe. **(3mks)**

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21. Name four types of hand saws used when cutting wood **(4mks)**

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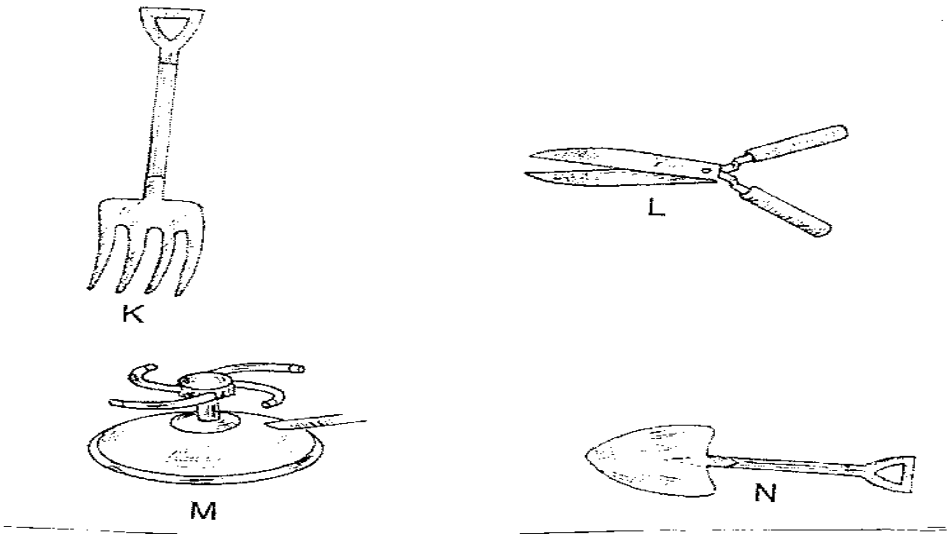
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22. Study the illustration of the farm tools shown below and answer the queations that follow



a) Identify the tools labeled K,L,M,and N **(4mks)**

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b) Give use of each of the tools names in above K, L, M & N **(4mks)**

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23. Give **four** reasons for proper maintenance of farm tool and equipment **(4mks)**

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2

BIOLOGY

(QUESTION PAPER)

FORM ONE

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

(a) Write your name, index number and school in the spaces provided above

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

(c) Answer ALL the questions in the spaces provided on the question paper

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

(e) Candidates should answer the questions in English

FOR EXAMINER'S USE ONLY

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

17	18	19	20	21	22	23	24	25	GRAND TOTAL

1.List **three** differences between a plant and an animal. **(3mks)**

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2.Mention the name given to the study of each of the following: **(3mks)**

a.The cell**……**

b. Micro organisms**……**

c.Insects **……**

3.What characteristics of organisms is described below.

a) A cat giving birth to kittens and eating them**.** **(2mks)**

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b) A snake hissing at the sight of a cat. **(1mk)**

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c) A boy running to class at the sound of a bell**.** **(2mks)**

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4.Give four reasons why Biology is studied in schools. **(3mks)**

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5.State one use of each of the following apparatus in the study of living organisms. **(3mks)**

a) Pooter

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b) Pitfall trap

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c) Sweep net

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6.Name any **three** skills acquired when one studies Biology in secondary school. **(3mks)**

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7.Explain what happens to red blood cells when placed in a hypotonic solution**.** **(3mks)**

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8.State **two** functions of rough endoplasmic reticulum. **(2mks)**

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9.State the reason for the following during microscope slide preparation.

a) Using a sharp scalpel blade **(1mk)**

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b) Use of a blotting paper **(1mk)**

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c) Using Iodine solution **(1mk)**

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10. A student observed a row of 16 epidermal cells in a microscopic field that was 2mm in radius. Calculate the average length of each cell in micrometers. **(3mks)**

11. (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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12. (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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13 (a) State the formula for calculating linear magnification of a specimen when using a hand lens. **(1mk)**

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

(i) Light Microscope

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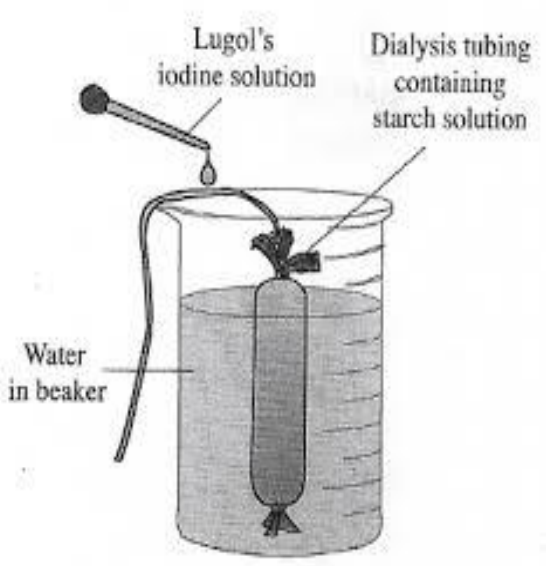
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(ii) Electron Microscope.

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



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Drops of Iodine solution were introduced into the water in the beaker. 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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15. Define the term osmosis. **(2mks)**

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16. (a) Distinguish between homodonts and heterodonts. **(2mks)**

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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)**

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

$$\text{Hydrogen peroxide} \xrightarrow{Z} \text{Oxygen + Water}$$

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

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(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)**

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

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

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

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

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

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

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

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21. 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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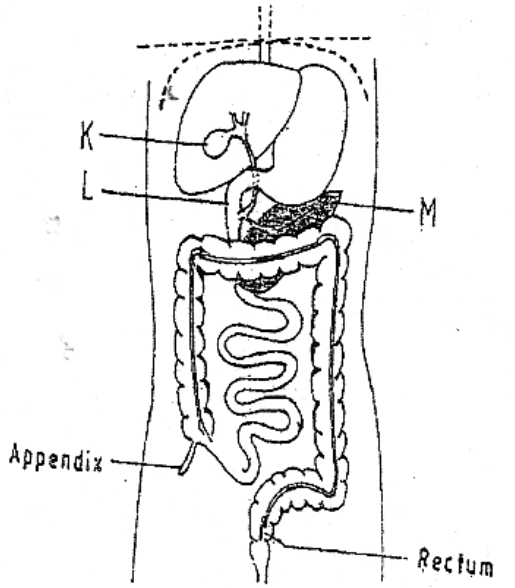
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22. The diagram below represents part of the human digestive system.



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

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

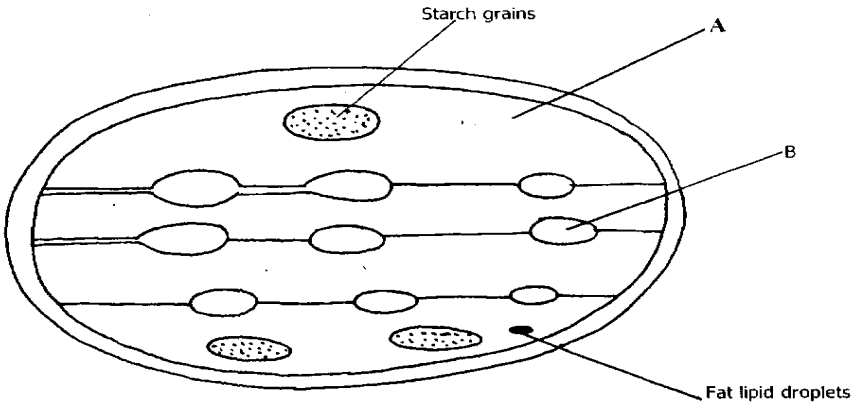
i) Flying insects ..... **(1mk)**

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

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

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

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



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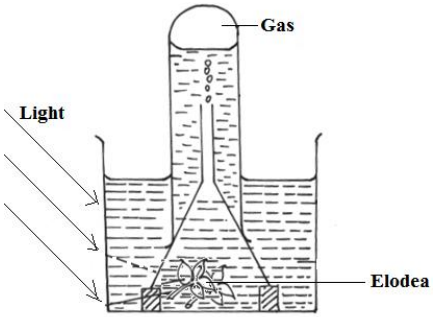
b) What process takes place in the parts labeled A and B. **(2mks)**

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



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

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ii) Identify the gas produced in the process named in a)i) above. **(1mk)**

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b) Suggest **two** reasons for the use of a water plant (Elodea) instead of plants that grow on land in this experiment.

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26. Outline two roles of active transport in human beings. **(2mks)**

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27. Write the role of the following parts of microscope. **(3mks)**

i) Mirror

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ii) Diaphragm

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iii) Coarse adjustment knob

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28. State two functions of bile juice in the digestion of food? **(2mks)**

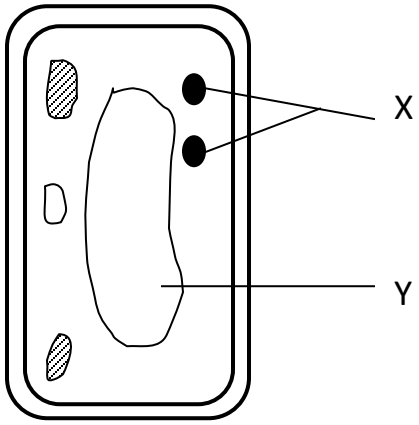
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29. The diagram below represents a cell



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

X .....

Y .....

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

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2

BUSINESS STUDIES
FORM ONE (1)
Time: 2Hours

ANSWER ALL QUESTIONS IN THIS PAPER

1.Identify a term used in business studies that is described by the following statements: **(4mks)**

a) The study of how goods and services are exchanged for other goods and services or for money

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b) All the activities, example, communication, filling, reproduction of documents that take place in an office

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c) The systematic way of recording business transactions for decision making purposes

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d) The study of how human beings strive to satisfy their endless desires using available goods and services

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2.Identify a term used in business studies that refer to the following situations. **(4mks)**

a) A student reading a book. _____

b) A farmer growing cabbages _____

c) Bread transported from the bakery to school canteen _____

d) Books, pens and pencils used by a student in class _____

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3.Fill in the blank spaces in the following table: **(4mks)**

	Activity	Type of business activity
a)	Refining crude oil to get paraffin	
b)	Building a house for the family	
c)	Buying bread from baker at Shs 40 and selling to students at Shs 50	
d)	Having your sick brother treated at a dispensary	

4.State whether each of the following factors fall under micro-environmnet or macro-environment. **(4mks)**

(a) Competitive environment _____

(b) Legal-political environment _____

(c) Business structure _____

(d) Business culture _____

5. Classify each of the following into generic or enterprise competition:

(a) A coffee seller competing with a tea seller _____

(b) Kenya Literature Bureau competing with Longhorn publishers in book selling _____

(c) Boys of Mountain School competing with girls from Lolwe School in academic excellence

_____

(d) A television station competing with a radio station in entertaining Customers

_____

6.Identify a term that relates to the characteristics of human wants described below. **(4mks)**

	Description	**Characteristic of human want**
(a)	Even if one has enough food, one would want other things such as shelter, security, education and entertainment	
(b)	if you acquire a car it will need fuel; if you buy shoes you will require shoe polish	
(c)	As one attempts to provide food for one's family, other things like clothes, books, paraffin and medical care also need to be provided.	
(d)	We need to eat today even if we ate yesterday.	

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7. Give four characteristics of economic resources. **(4mks)**

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8. Give four reasons why the government controls the exploitation of natural resources. **(4mks)**

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9. Give four differences between goods and services **(4mks)**

Goods	Services

10. Fill the table below **(4mks)**

	Activity	Type of utility created
a)	Processing sugar from sugarcane	
b)	Transporting bread to school	
c)	food in the school store during the holiday to be used when the school re-opens	
d)	Student taking ownership of a calculator from a bookshop	

11. Highlight four ways of improving the efficiency of labour. **(4mks)**

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12. Highlight four functions of an entrepreneur **(4mks)**

13. Give four classes of goods and services produced in an economy. **(4mks)**

14. Highlight four disadvantages of specialization and division of labour. **(4mks)**

15. Highlight four characteristics of land as a factor of production. **(4mks)**

16. Highlight four functions of an entrepreneur. **(4mks)**

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17. Highlight four ways in which entrepreneurship contributes to the development of the economy. **(4mks)**

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18. Give four sources of business ideas. **(4mks)**

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19. Highlight four qualities of a successful entrepreneur. **(4mks)**

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20. Highlight four importance of drawing a business plan before starting a business. **(4mks)**

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21.A business opportunity exists where there are gaps in the market to be filled. Identify four such gaps. **(4mks)**

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22. Highlight four ethical practices that need to be observed by successful business enterprises. **(4mks)**

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23. Highlight four reasons for starting and running a business. **(4mks)**

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24. Highlight four factors that contribute to successful business enterprises. **(4mks)**

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25. Highlight four factors that influence entrepreneurial practices. **(4mks)**

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2
FORM 1
CHEMISTRY (233)
Time: 2 Hours

Kenya Certificate of Secondary Education

INSTRUCTIONS TO THE CANDIDATES:-

- Write your **name** and admission **number** on the spaces provided.
- Answer ***all*** the questions in the spaces provided.
- Mathematical tables and electronic used calculators may be
- All working **MUST** be clearly shown where necessary.

Question	Maximum score	Candidate's score
1-20	**80**	

1. a) In the boxes provided below show how molecules are spaced in solids, liquids and gases in terms of kinetic theory. (**3mks**)

Solid	***Liquid***	***Gases***

b) What conclusion can you make regarding densities of solids, liquids and gases as per the packaging of molecules in 1 (a) above. (**1mk**)

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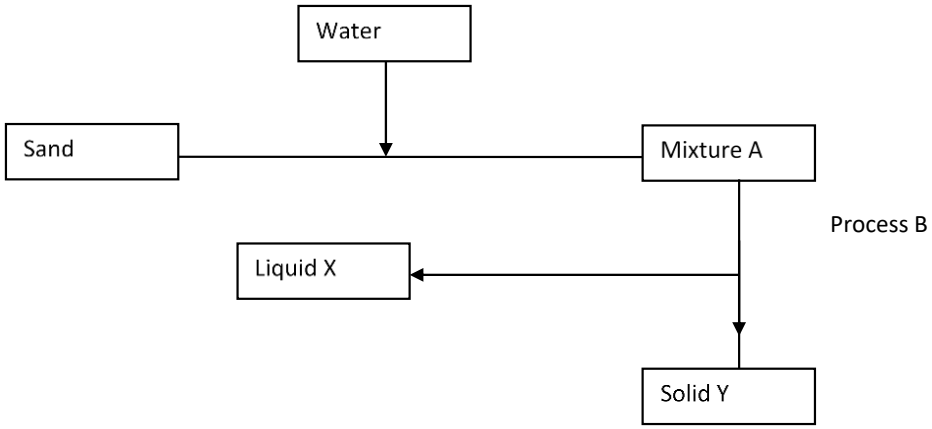
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2.State whether the substances given below are elements, compounds or mixtures. (**4mks**)

Substance	
Piece of Aluminium metal	
Sugar	
Solution of common salt	
Crude oil	

3.Study the flowchart below and answer the questions that follow.



a) Name process B. (**1mk**)

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b) Give one reason why it's possible to separate the mixture A above using process B. (**1mk**)

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c) Give the name for

i) Liquid X **(1mk**)

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ii) Solid Y **(1mk**)

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d) Give one application of process B in day to day life. (**1mk**)

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4.State the method of separation suitable for the following mixtures.

a) Iron filings and sulphur powder. (**1mk**)

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b) Dye from flowers. (**1mk**)

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c) Petrol from crude oil. (**1mk**)

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d) Oil from nuts. (**1mk**)

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5.a) If common salt is added to wax, what will be the effect on the melting point of wax? (**1mk**)

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b) When pure ethanol is heated, it changes to gas at 78.5^0C.

i) What is the name given to this temperature? (**1mk**)

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(ii) What will happen to this temperature if an impurity like water is added to ethanol? (**1mk**)

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6.Given the following substances and their PH values, indicate whether they are neutral, strongly acidic, weakly acidic, weakly alkaline or strongly alkaline. (**3mks**)

Substance	PH Value	Nature
a) Sugar solution	7.0	
b) Blood	7.4	
c) Sulphuric (VI) acid	1.0	
d) Tooth paste	8.0	
e) Black coffee	5.0	
f) Sodium hydroxide solution	14.0	
g) Urine	6.0	

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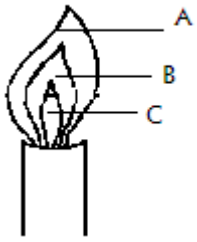
7.State two ways through which the youth of Kenya can avoid abusing drugs. (**2mks**)

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8.A form one student at Moja High School lit a Bunsen burner with its air hole fully open.



a) What is the colour of the flame at part labeled A? (**1mk**)

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b) Identify the hottest part of the flame. (**1mk**)

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c) Which letter represents the almost colourless region? (**1mk**)

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9.Classify each of the following substances as either conductors or non-conductors.

(i) Copper metal _____ (**1mk**)

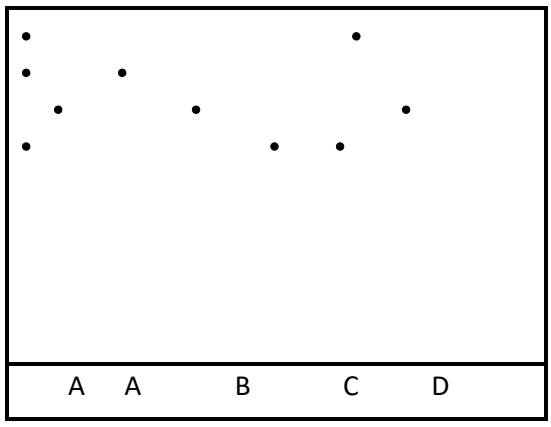
(ii) Paraffin_____ (**1mk**)

(iii) Glass _____ (**1mk**)

(iv) Graphite _____ (**1mk**)

(v) Magnesium_____ (**1mk**)

10. Three pure pigments were prepared and their spots placed on a filter paper as shown below. The pure pigments are A, B and C. A mixture D was also placed on the filter paper at the same time with the pure pigments. The filter paper was then dipped in ethanol solvent and left for an hour. The results obtained were as shown below.



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(i) Which of the three pure pigments is most sticky? Give a reason for your answer. (**2mks**)

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(ii) Which pure pigment is not present in the mixture D? (**1mk**)

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(iii)Show on the diagram the solvent front and the baseline. (**2mks**)

11. a) What is an acid-base indicator? (**1mk**)

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b) Name any three common indicators used in chemistry and give their colours in acid solution. (**3mks**)

Name of Indicator	Colour in acid
(i)	
(ii)	
(iii)	

(c) Give one advantage of universal indicator over other common acid-base indicators (**1mk**)

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12. Citric acid, lactic acid, methanoic acid and hydrochloric acid are found in various substances in plants and animals. State where these acids occur. (**4mks**)

Acid	**Where found**
(i) Citric acid	
(ii) Lactic acid	
(iii) Methanoic acid	
(iv) Hydrochloric acid	

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13. I. A student mixed iron fillings with sulphur powder in a watch glass. The mixture was heated and a new substance was formed.

a) Is this a physical or chemical change? (**1mk**)

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b) Give two reasons to support your answer in (a) above. (**2mks**)

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c) Give the chemical name of the substance formed after heating sulphur and iron together? (**1mk**)

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II. Determine whether the following substances undergo chemical or physical changes when heated. (**4mks**)

Substance	**Type of change**
a) Melting Ice	
b) Heating of Zinc oxide	
c) Heating Iodine crystals	
d) Heating of Copper (II) Carbonate	

14. Write simple word equations for the following reactions.

(i) Magnesium and oxygen. (**1mk**)

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(ii) Carbon and oxygen (excess) (**1mk**)

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(iii) Zinc and Hydrochloric acid (**1mk**)

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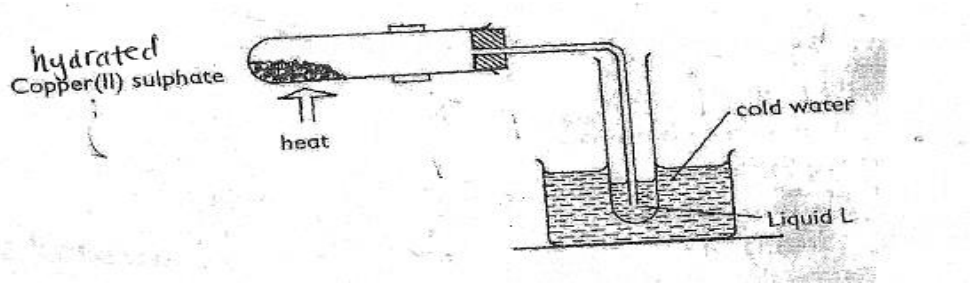
(iv) Calcium oxide and Sulphuric (VI) acid. (**1mk**)

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15. The diagram below shows the effect of heat on hydrated Copper (II) Sulphate.



a) (i) Name the colour of hydrated Copper (II) Sulphate. (**1mk**)

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(ii) State one observation made at the end of the experiment. (**1mk**)

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(iii) Name liquid L**.** (**1mk**)

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(iv) Name one test that can confirm the purity of liquid L. (**1mk**)

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16. Name two apparatus that can be used to measure the volume of a gas. (**2mks**)

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17. The table below shows liquids that are miscible and those that are immscible.

Liquid	Y	Z Z
W	Miscible	Miscible
X	Miscible	Immiscible

Use the above information to answer the questions that follow.

a) Name the method that can be used to separate a mixture of W and Y. (**1mk**)

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b) Describe how a mixture of liquid X and Z can be separated. (**2mks**)

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18. State one use of each of the following substances.

(i) Sulphuric (VI) acid. (**1mk**)

.....

.....

(ii) Magnesium hydroxide (**1mk**)

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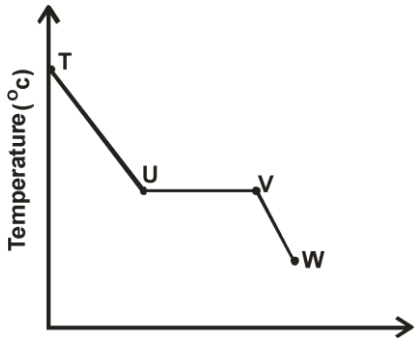
(iii)Nitric (V) acid. (**1mk**)

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.....

19. Draw a well labelled diagram showing laboratory preparation of dry hydrogen gas. (**3mks**)

20. The sketch below shows a graph of temperature against time obtained when a gaseous substance was cooled.



Explain what happens to the gaseous substance between:

a) T and U **(2mk)**

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(b) U and V **(2mks)**

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(c) V and W **(2mark)**

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2

COMPUTER STUDIES

(QUESTION PAPER)

FORM ONE

ANSWER ALL THE QUESTIONS

1. Using a diagram to describe the following

(a) Digital data **(2mks)**

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(b) Analog data **(2mks)**

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2. The line of text in the box was created using Word processor. The cursor position is between the words "so" and "as" **(3mks)**

Ensure that cables in the computer laboratory are properly insulated so as to eliminate the dangers of electric shock to the user

Describe what happen to the text in the box above when each of the following keyboard keys are pressed

(a) Enter

……

……

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(b) Tab

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(c) End

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3.

(a) What is a warranty **(1mk)**

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(b) Give three content of a good warranty **(3mks)**

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4. State the standard unit for measuring computer speed, memory and monitors size **(3mks)**

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5. With reference to speed, size, cost and charge leakage compare static RAM and Dynamic RAM **(4mks)**

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6. Mention four characteristics of Gas plasma Display monitor **(4mks)**

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7. List four ways in which ICT can be used to enhance security in a supermarket **(4mks)**

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8. State four health issues that could arise from prolonged use of computers or use of unsuitable furniture **(4mks)**

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9.

(i) Identify the device shown below **(2mks)**



Figure 1

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(ii) Give four areas where the technology in 9(a) above is mostly used **(4mks)**

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10. State four output devices found in an ATM machine **(4mks)**

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11. Use the table below to classify the devices in the table as input or output devices **(5mks)**

	Devices	**Category (Input/Output)**
1	Touchscreen	
2	Projector	
3	Interactive Whiteboard	
4	Digital Camera	
5	Microphone	

Table 1

12. State four ways in which computers could be used in each of the following sectors other than ensuring maximum security

(i) Transport sector **(4mks)**

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(ii) Retail shops **(4mks)**

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13.

(a) List four softcopy output devices **(4mks)**

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(b) Identify the most appropriate output devices for the production of each of the following **(4mks)**

(i) Receipts and Invoices

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(ii) Architectural and Engineering drawings

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……

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(iii) Output for visually impaired person

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(iv) Letters, memos and notices

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(c) Name four factors to consider when choosing a printer **(4mks)**

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14. Briefly describe three characteristics of computers that make it more suitable than human beings **(6mks)**

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15. Peter is a Data Entry Clerk in a multinational company he was advised by a computer expert to use devices that capture data directly from source to reduce data entry errors. Mention five devices that would be acquired by Peter for use so as to capture data directly from source **(5mks)**

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16.

(i) State the function of antistatic wrist member **(2mks)**

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(ii) Identify the controllers shown in the table below **(3mks)**

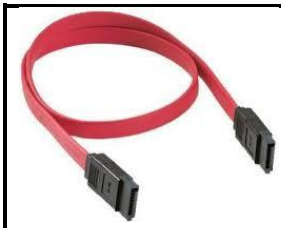
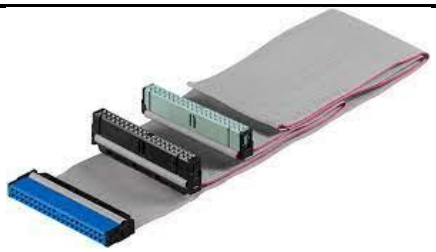
 Figure 2	 ***Figure 3***	 Figure 4
Name	**Name**	**Name**

Table 2

(iii) State two advantages of controllers represented in figure 2 above **(2mks)**

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17. Mention three advantages of solid state storage devices **(3mks)**

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18.

(a) Mention three logical operations performed by ALU **(3mks)**

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(b) Describe why RAM is regard as a working memory **(2mks)**

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(c) How many characters can a 4GB flash disk store **(2mks)**

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19. Name four factors that controls the rate at which computer execute instructions **(4mks)**

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20. Give three attributes of Random Access Memory **(3mks)**

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2
CHRISTIAN RELIGIOUS EDUCATION
FORM ONE (1)
Time: 2 Hours

ANSWER ALL THE QUESTIONS

1.a) Record the first creation account (priestly account) from (Genesis 1:1-13) . **(6mks)**

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b) Give **SIX** differences in the two accounts of creation **(6mks)**

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c) What teaching can a Christian derive from the Biblical creation account**?** **(6mks)**

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2 a). Why is man seen as a special creature before God? **(6mks)**

b) Effects of translating the Bible into African languages. **(6mks)**

c) Explain the penalty given to human beings from the fall of man in Genesis 3. **(5mks)**

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3 a) Identify **Six** similarity between the traditional African view and the biblical view on evil **(6mks)**

b) How did Abraham demonstrate his faith in God **(6mks)**

c) State **EIGHT** promises God make to Abraham **(8mks)**

4 a) Identify lessons Christians learn from the incidence when Abraham was willing to sacrifice his own son Isaac **(6mks)**

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b) Differentiate between the Jewish and African practice of circumcision **(5mks)**

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c). Describe the call of Moses**.** **(8mks)**

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5 a . State the significance of each event of the Passover. **(6mks)**

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b) State the attributes of God denoted from the plagues. **(6mks)**

c) Describe the renewal of the Sinai covenant. **(8mks)**

d) How did the Israelites worship God in the wilderness **(6mks)**

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2
ENGLISH
FORM ONE (1)
Time: 2½ Hours

Instructions to the candidates

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

ii. Answer all the questions in the spaces provided.

iii. Check to ascertain that the paper has all questions.

iv. The paper has 9 printed pages.

FOR EXAMINER'S USE ONLY

QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
1.Creative/Imaginative Composition	20	
2. Cloze Test	10	
3. Comprehension	20	
3. Oral Skills	30	
4.Grammar	20	
	100	

1. CREATIVE/IMAGINATIVE WRITING **(20marks)**

Write a composition ending with the following words.

..... as prison warders led me out of the court, I cursed myself silently.

……

……

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2.CLOZE TEST (10mks)

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

An effective vaccine **1…….……** Covid-19 is among the best strategies to return to normalcy. Research **2……..…….** a vaccine for the coronavirus commenced immediately **3…….** first case was reported in Wuhan, China, late last year. **4……..……..**two dozen are in clinical trials and 140 others in the early stages of development. **5 …….……..** South Africa is the only country conducting clinical trials. A few **6 ……..…….** African countries have institutes working on earlier stages of a vaccine. The Kenya Medical Research Institute is, fortunately, one of **7…….……..** An African developed **8……..…….** will ensure its continuous supply and access on the continent. It will also ensure safety and efficacy among the population, who **9…….…….** to be experiencing comparatively less morbidity and mortality to Covid-19 than others. A **10…….…….** developed vaccine will ensure the authenticity and quality, increasing uptake.

(From Daily Nation, Sept, 15, 2020)

3. COMPREHENSION (20marks)

Read the following passage and then answer the questions that follows:

Almost half of all sick children in public hospitals do not have their vital signs recorded at admission, as required, a study has said. The largest ever study on nursing care of children, which was conducted over two years, also show one in 10 children die mainly due to lack of basic care.

The survey conducted in 13 referral county facilities and covering 54 000 admission was carried out by the clinical information network (CIN) a collaboration of the Ministry of Health, Kenya Medical Research Institute, University of Nairobi and Kenya Pediatric Association.

The survey found out that the vital signs in 43 per cent of the children had not been taken at admission. Body temperature, pulse and respiratory rates ae supposed to be recorded and monitored throughout the hospital stay. However, this was only consistently done in 13 hospitals. In some facilities, less than two per cent of children had their vital signs recorded. More than eight per cent of children did not have any of their vital signs recorded while 0.2 per cent had their pulse rate taken.

Once admitted, the researchers said it was a requirement that patients' vital signs be monitored and recorded at least three times in every 24 hours. Again, this was only consistently done in three of the 13 hospitals.

Even when monitoring was done, the quality of recording was poor; with evidence showing most of the nurses had recorded estimates. For example, most of the recorded data were round-up figures or most ended in even numbers. This, the authors said, was an indication that the figures were estimates.

"Our data raise concern that in practice, inaccurate respiratory rate measures are likely to result in misclassification of pneumonia, poor targeting of treatments and inability to detect **deterioration** or improvement," says the study. The CIN group said it was disturbing that pneumonia and respiratory illness remained major problems in almost all hospitals despite availability of protective vaccines. "The high proportion of children admitted with pneumonia is worthy of note despite more than 10 years use of flu (HiB) vaccine and use of PCV10 Pneumonia vaccine."

Two recent studies at Gertrude's Children Hospital and Kenyatta National Hospital have questioned the effectiveness of pneumonia and rotavirus vaccines. The researchers further investigated the cause of children's neglect in **top-tier** public hospitals, which they identified as **acute** shortage of nursing staff.

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"In these hospitals each qualified nurse is typically responsible for between 10 and 40 beds. There can be two or more children to a bed," says the report.
In five of the 13 hospitals, typically one qualified nurse was present on a shift whereas in the other eight, there were only two nurses. Data from the Health Ministry indicate there are 20,981 nurses in public hospitals against a requirement of about 52,000.

QUESTIONS

1. What is the biggest risk of not taking a child's vital signs? **(1mk)**

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2. Briefly describe what should be done from the time a child arrives in a hospital to discharge **(3mks)**

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3. What evidence is there in the passage that most data in hospitals is mere estimate **(2mks)**

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4. List three dangers of using inaccurate figures for medical decisions **(3mks)**

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5. In note give challenges of public hospitals **(4mks)**

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6. Whom do you think should take responsibility for the problems affecting public hospitals **(2mks)**

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7. What is the general tone of the passage? **(2mks)**

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8. Explain the meaning of the following words and phrases as used in the passage **(3mks)**

a) Top – tier

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b) Deterioration

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c) Acute

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3. ORAL SKILLS (30mks)

a. Consider the following oral literature item.

Mi moet moet a moita (There is a wound in a calf's stomach)

i) Classify the above genre **(1mk)**

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……

ii) Identify and illustrate two features of sound in the above genre. **(2mks)**

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b. Underline the silent <u>letter(s)</u> in the following words **(3mks)**

i) sword **iv)** bouquet

ii) debris **v)** victual

iv)grandmother **vi)** corps

c. Provide another word pronounced the same as the following **(5Mks)**

i) Birth

ii) Fur

iii) Arms

iv) Coup

v) Medal

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d. **Read the following telephone conversation and answer the questions that follow.**

Secretary: (phone rings) Hello, Masomo Secondary School. How may I help you?
Caller: I want to speak to my mother.
Secretary: May I know who your mother is please?
Caller: (impatient and irritated) I have said I want to speak to my mother.
Secretary: Excuse me, I don't know who your mother is. Could you please tell me her name?
Caller: (shouting) You have been working in that institution for the last ten years and you don't know Mrs. Marita?
Secretary: (politely) oh, Mrs. Marita? She has just stepped out shortly. May I take a message for her please?

Caller: (bangs the receiver).

i) Identify three instances that show the caller's lack of etiquette **(3mks)**

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ii. What shows that the secretary demonstrates professional conversational skills during the telephone conversation? **(4mks)**

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e. **Pick out the word in which the underlined part is pronounced differently** **(3mks)**

i) Lei<u>sure,</u> mea<u>sure</u>, pre<u>ssure,</u> plea<u>sure</u>

ii) Ar<u>ch</u>, Mar<u>ch</u>, sear<u>ch</u>, monar<u>ch</u>

iii) Trou<u>gh</u>, dou<u>gh</u>, tou<u>gh</u> cou<u>gh</u>

f. **Read the oral poem below and then answer the questions that follow.**

Her lip suckle the nipples
Milk bubbles, foams and ripples
Little hands up in the air
Catch on the mother's hair
Sweet sensation rises in pressure
Tiny legs kick with pleasure
Sleep whispers softly and long

(***Emusara Ossie Enekase***)

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i.) Identity any two pairs of rhyming words in the poem. **(1mk)**

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……

ii.) Identify one major sound pattern in the poem. **(1mk)**

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iii.) Give two examples of the above sound pattern. **(2mks)**

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g. Suppose you were asked to make a speech at a friend's graduation party. What would you do to capture the audience's attention? **(5mks)**

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4. GRAMMAR (20marks)

(a)**Fill in the blanks with the correct preposition.** **(5mks)**

(i) Their expenditure _____ stationery has reduced following the tax waiver.

(ii) Dr. Karani is a specialist _____ early childhood education.

(iii) I am indebted _____ him for the help he gave me.

(iv) She has always confided _____ him.

(v) The ailing man has been in bed _____ the whole week

(b)Supply an appropriate question tag to each of the following sentences. **(2mks)**

(i) There is no need to start _____

(ii) Let us go now _____

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c) Use the correct alternative to complete the sentences below. **(3mks)**

i) Teaching **……**(practice/practice) is not an easy job for teacher trainees.

ii) The prophet's **……** (prophesy/prophecy) was misleading to his audience.

iii) He **……** ((insured/ensured) his car with Madison.

d. Explain two different meanings of the following sentence. **(2mks)**

i) The chicken is ready to eat.

……

……

……

……

e) Fill in the blanks with the appropriate form of 'LIE' and 'LAY' **(3mks)**

i) Jessica has**.....** in the shade all afternoon

ii) My turkey had **….....** three eggs before Christmas

iii) Whoever says a dog is feline must be a **….....**

f. Put 'a', 'an' and 'the' before the following words or phrases. **(3mks)**

i.…… university.

ii.…… historical survey.

iii.…… one sided affair.

j. Punctuate accordingly **(2Mks)**

1. she was young beautiful kind and intelligent.

……

……

2. china one of the most powerful nations on earth has a huge population.

……

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2

GEOGRAPHY

(QUESTION PAPER)

FORM ONE

TIME: 2 1/2 HOURS

1(a) What is Geography? **(2mks)**

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(b) Name three practical areas of Geography **(3mks)**

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2(a) State the relationship between Geography and Agriculture **(2mks)**

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(b) Outline three reasons why the study of Geography is important. **(3mks)**

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3(a) Define the term weather forecast. **(2mks)**

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(b) State three reasons why weather forecast may be inaccurate. **(3mks)**

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4(a) What is natural satellite? **(2mks)**

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(b) Name three natural satellites **(3mks)**

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5(a) State three reasons why the interior of the earth is hot. **(3mks)**

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(b) Give any two proofs that the interior of the earth is hot. **(2mks)**

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SECTION B

Answer all the questions in this section. (75 Marks)

6 (a) Differentiate between the following:

i) latitude and longitude **(2mks)**

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ii)Meteors and meteorites **(2mks)**

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(b) i) State three differences between solar eclipse and lunar eclipse **(3mks)**

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ii) List four effects of earth's rotation **(4mks)**

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iii) State three characteristics of summer solstice **(3mks)**

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(c) i) State four characteristics of the mantle **(4mks)**

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ii) Name two layers of discontinuity that are part of the interior of the earth. **(2mks)**

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iii) Describe five characteristics of the troposphere **(5mks)**

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7(a)i) State three conditions necessary for formation of fog

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ii) Give three weather conditions associated with cumulo-nimbus clouds. **(3mks)**

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iii) Outline steps followed when measuring humidity using a hygrometer. **(4mks)**

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(b) The table below shows the temperature and rainfall figures for a weather station in Kenya.

Use it to answer questions b (i) and b(ii)

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temp. (^{0}C)	16.3	16.5	17.1	16.1	15.2	15.2	15.0	16.0	16.1	16.1	16.3	16.4
Rainfall (mm)	100	104	175	232	323	218	196	231	152	127	71	70

Calculate

i) Mean annual temperature for the station **(2mks)**

ii) Annual temperature range for the station **(2mks)**

iii) Mean annual rainfall for the station **(2mks)**

(c) Suppose you visited a weather station for a field study on weather

i) Define fieldwork **(2mks)**

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ii) Give four methods you would use to collect data **(4mks)**

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iii) State three advantages of studying weather through fieldwork. **(3mks)**

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8(a) Define the following terms

(i) Map **(2mks)**

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(ii) Picture **(2mks)**

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(iii) Plan **(2mks)**

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(b)i) Name two other types of maps apart from sketch map **(2mks)**

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ii) State four qualities of a good sketch map **(4mks)**

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iii) Outline any three uses of maps **(3mks)**

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(c)i) What is marginal information? **(2mks)**

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ii) Give any four examples of marginal information **(4mks)**

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iii) Name two types of scale apart from statement scale **(2mks)**

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iv) Give two uses of scales **(2mks)**

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2
HISTORY AND GOVERNMENT
FORM ONE (1)
Time: 2½ Hours

Instructions to Candidates

(a) This paper consists of **two** sections **A and B**
(b) Answer **ALL** QUESTIONS in section **A AND ALL QUESTIONS** from Section **B.**
(c) Answers to all the questions must be written legibly in the answer booklet provided.
(d) Candidates should answer the questions in English

FOR EXAMINERS USE

SECTION	QN	MAX	SCORE
A (40Marks)	**1-16**	**40**	
	17	**15**	
	18	**15**	
	19	**15**	
	20	**15**	
GRAND TOTAL		**100%**	

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SECTION A (40 MARKS)

ANSWER ALL THE QUESTIONS IN THIS SECTION

1. Identify the branch of History and Government that deals with the traditions, values, and cultural practices of a people **(1mk)**

2. Give two sources of Pre-History **(2mks)**

3. State two forms of Monarchical governments **(2mks)**

4. State three reasons why the study of government is important **(3mks)**

5. Name any three archaeological sites found in Kenya **(3mks)**

6. Give three theories that explains the origin of Man **(3mks)**

7. State two ways in which Kenyan communities interacted in pre-colonial period **(2mks)**

8. State three reasons for the Migration of the Maasai from their ancestral land **(3mks)**

9. Give three reasons why agriculture developed along the river valleys **(3mks)**

10. List the first three stages in the evolution of man **(3mks)**

11. State three advantages of using written records as a source of historical information **(3mks)**

12. Give three benefits of domesticated animals by the early man **(3mks)**

13. State two reasons why the earliest mammals lived on trees **(2mks)**

14. State two reasons that explains origin and spread of Agriculture **(2mks)**

15. State two changes that occurred as early man evolved to modern man **(2mks)**

16. Identify three Eastern Cushitic communities in Kenya **(3mks)**

SECTION B (60 MARKS)

ANSWER ALL THE QUESTIONS IN THIS SECTION

17. a) State five uses of fire during the middle stone age **(5mks)**

b) Explain the culture of man during the NEW stone age **(10mks)**

18 a) State five factors that led to the beginning of Agriculture in Mesopotamia **(5mks)**

b) Explain five effects of early agriculture to the people of Mesopotamia **(10mks)**

19 a) State five characteristics of agriculture in Britain before Agrarian Revolution **(5mks)**

b) Explain five changes that marked Agrarian Revolution in Britain **(10mks)**

20 a) State five causes of food shortage in Africa **(5mks)**

b) Explain five effects of food shortage in Africa **(10mks)**

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

TERM 2
HOME SCIENCE
FORM ONE (1)
PAPER 1 THEORY (441/1)
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 **C**
e) Answers to all the questions must be written in the spaces provided in the paper
f) This paper consists of 11 printed pages
g) Students should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing
h) **Students should *answer the questions in English***

For examiner's use only

Section	Question	Maximum Score	Student's Score
A	17	40	
B	18	20	
	19	20	
	20	20	
TOTAL SCORE		100	

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SECTION A (40 MARKS)

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

1. Mention **two** reasons for cooking food. **(2mks)**

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2. State **three** rules to observe when caring for teeth. **(3mks)**

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3. Give **three** advantages of modern houses over traditional houses. **(3mks)**

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4. Name **two** types of floors in the home. **(1mk)**

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5. Mention **three** symptoms of food poisoning. **(3mks)**

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6. Give **three** qualities of a good staircase to avoid accidents. **(3mks)**

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7. Mention **four** materials used in making kitchen equipment. **(2mks)**

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8. Mention **three** ways of maintaining healthy feet. **(3mks)**

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9. List **four** physical changes that occur in boys during puberty. **(2mks)**

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10. Your friend is nose bleeding. What advice would you give to handle the situation? **(2mks)**

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11. Differentiate between: **(2mks)**

i.Bruise and graze

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ii. Suffocation and choking

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12. State **three** qualities of a good toilet brush. **(3mks)**

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13. Mention **four** different materials used in making brooms and brushes. **(2mks)**

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14. List **six** items used when making a bed for a person who bed-wets. **(3mks)**

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15. State **four** equipment/materials you need when cleaning a toilet. **(2mks)**

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16. State **four** rules one should observe to ensure safety when using kitchen equipment. **(4mks)**

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SECTION B (20 MARKS)

COMPULSORY

Answer all sections of this question in the spaces provided.

17. You are doing though cleaning on a Saturday in the school.

a) Outline the procedure you would follow in making your bed. **(8mks)**

b) Describe how you would clean your muddy white canvas shoes. **(7mks)**

c) How would you clean the cotton floor rag used in wiping the toilet floor? **(5mks)**

SECTION C (40 MARKS)

There are three questions in this section. Answer any TWO questions from this section on the spaces provided. Each question should be started on a clean page.

18.

a) Discuss **three** qualities you would consider when buying sports shoes. **(6mks)**

b) Mention **five** points to consider when choosing a method of cooking. **(5mks)**

c) Explain **four** ways of keeping healthy as an adolescent. **(6mks)**

d) Suggest **three** reasons for keeping finger nails short. **(3mks)**

19.

a) Discuss **four** factors to consider when building a house. **(8mks)**

b) Mention **six** advantages of renting a house. **(6mks)**

c) Explain **three** challenges of living in a traditional house. **(6mks)**

20.

a) Giving clear reasons, cite **four** qualities of a good floor cloth. **(8mks)**

b) Mention **six** qualities of a good kitchen floor. **(6mks)**

c) Explain **three** reasons why dormitories should be kept clean. **(6mks)**

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2
ISLAMIC RELIGIOUS EDUCATION (314)
FORM ONE (1)
Time: 2 Hours

.**INSTRUCTIONS**:

1. This paper contains five (5) questions.

2. Answer all questions

3. Write your answers in the answer sheet provided.

4. All answers must be in English.

1. (a) Identify **six** importance of suratul fatiha **(6mks)**

(b) State the **four** categories of people who are not at a loss according to *suratul Asr*. **(4mks)**

(c) Explain **five** reasons why the Qur'an was revealed to mankind **(10mks)**

2.(a) Describe the ways through which *Hadith* evolved. **(10mks)**

(b) Explain how *Hadith* contribute to Islamic thought and culture **(10mks)**

3.(a) Give **five** conditions of Swalat. **(5mks)**

(b) Mention **five** conditions of giving and receiving *zakat* **(5mks)**

(c) State the pillars of swalt **(10mks)**

4.(a) Identify **five** circumstances when it is *sunnah* to perform *ghusl* (ritual birth) **(5mks)**

(b) State five acts that are forbidden to a Muslim who is in a state of *Janaba* **(5mks)**

(c) Explain **five** importance of *Zakat*. **(10mks)**

5.(a) State the different manifestations of *Shirk al-Akbar*. **(6mks)**

(b) Describe the characteristics of angels **(6mks)**

(c) Give four differences between angels and human beings **(8mks)**

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

JINA: ……

SHULE: ……

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

KISWAHILI
MUHULA WA PILI
KIDATO CHA KWANZA
MUDA: SAA 2:00

Maagizo:

1. Jibu maswali yote.

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

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

4. Karatasi hii ina kurasa 8 zilizopigwa chapa

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

Kwa matumizi ya mtahini pekee

SEHEMU	UPEO	ALAMA
UFAHAMU	15	
MATUMIZI YA LUGHA	40	
ISIMUJAMII	10	
FASIHI SIMULIZI	15	
JUMLA	**80**	

A. UFAHAMU (ALAMA 15)

Soma taarifa hii kisha ujibu Maswali

Mkaidi alikuwa msichana mrembo lakini alikuwa haambiliki, hasemezeki . Fauka ya hayo, alikuwa na tamaa isiyo na kifani. Alipokuwa katika shule ya msingi, walimu na wazazi walimfunza umuhimu wa kuwa na maadili. Isitoshe, alifunzwa masomo vyema lakini akili yake ilikuwa **butu**. Akawa haingizi chochote cha maana ila uchafu wa fikira. Nyumbani nako hakuzingatia maonyo. Alikuwa hatulii.

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Wakati fulani wa krismasi, Mkaidi alipomaliza tu shule ya msingi, alikutana na mwanamume mmoja mliliwa na wasichana wengi;mtajika kwa mali na jina lake ni Mshikaji . Mkaidi akadanganywa akadanganyika. Akatorokea kwa huyu Mshikaji ambaye alikuwa ameshawataliki wake wawili tayari. Akawa mke mlezi. Ikabidi awalee watoto waliobaki na baba yao baada ya mama zao kutanzuka. Mkaidi mwanzoni aliona raha, ingawa alikereka kuitwa mama kabla hata ya kumkopoa mwana wake mwenyewe. Aliwabeza waliokuwepo awali na akajiona kuwa yeye ndiye mchukuzi bora. Akasahau kuwa pakacha likivuja, nafuu huwa ni kwa yule mchukuzi. Aliwaona wenzake kama maua yaliyonyauka na lake ndilo kwanza linaonana na jua.

Muda si muda, akajikuta ana wana watatu kwa kipindi kifupi. Mumewe naye hakutulia na mambo ya nje. Akaimarisha nyendo zake za kiguu na njia, akipochoka, akiingia garini na kuikata mitaa. Mkaidi aende wapi? Alifungika nyumbani ndi ndi akamlea mwana huyu na yule; wake na wale wa kambo. **Vijisenenesenene** vikazidi. Lakini akajaribu kuvumilia akidhani **atazila mbivu**, wapi! Alipoligema ilibidi alinywe. Siku zikaja na kupita. Mkaidi akajuta kwa kutosikiliza wakuu na kumkimbilia mtu ambaye hata hakuwa anamuelewa vizuri. Pesa na raha alizokuwa amezikimbilia akawa anazisikia kama hadithi ndotoni. Kwao nako kukawa hakurudiki. Mkaidi akawa majamzito tena kama kawaida akawa anaenda kliniki za wajawazito. Alipopimwa ikabainika kuwa ana ukiwi. Mtoto alipozaliwa akafariki. Yule mumewe akaanza kumnyanyasa.

Baada ya miaka mitatu, bwana Mshikaji, aliyekuwa akijitapa kwa unene na mali, akaanza kupotelewa na kiriba chake cha tumbo. Homa za hapa na pale zikaanza kumyemelea. Vipelevipele vikamsambaa mwilini. Hata akamsingizia Mkaidi kuwa ni yeye aliyeuleta huo ukimwi Ilikuwa ni wazi kuwa msambazaji alikuwa ni yeye bwana. Waliokuwa pembe za chaki waliujua ukweli ulipokuwa . Baadhi ya vidosho wake walishaanza kupukutika kama majani yafanyavyo wakati wa mapukutiko. Isitoshe, wengine walikuwa hoi vitandani wakiwa hawajui waingiao wala watokao. Ugonjwa wa kamata ulishawakamata. Mwisho akawa ni wa kulazwa na kutoka hospitali hizi na zile. Pesa zikawaishia, wakawa waya. Mkaidi akawa hana budi kuviuguza vidonda ndugu vyake na vya mumewe. Hatimaye, mumewe akabwagwa chini na ukimwi na akafa fo!

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Si ndugu si marafiki, hawakumuelewa Mkaidi. Waliamuona kama pweza aliyejipalia makaa makubwa ya moto makali. Ada za shule zikawa ni shida. Huruma ikwaingia watu. Watu wakasema. "Lisilobudi hutendwa." Wakaubeba mzigo kwa hiari yao. Wakawafanyia watoto harambee ya ada na peza za matibabu. Mwishowe Mkaidi naye aliaga dunia **akiwa bado mbichi** kwa umri. Hata miaka ishirini alikuwa bado hajafikisha. Watoto ikabidi walelewe na wahisani.

Hapo walimwengu wakaja kutambua ukweli kwamba, uzuri si hoja hoja ni tabia. Isitoshe mtu akikimbiliwa na kila mtu, ukimwi hatauepuka. Mtu akiupata, hufa. Anadidimiza watu wengi pamoja na familia yake. Jamii ilifunzwa pia kuwa unene si hoja. Hata watu vibonge huweza kuleta ukimwi. Basi, jamii hiyo ikaazimia kuwa wao hawatakuwa watumwa wa tabia iletayo ukimwi. Walitambua kuwa ukimwi unarudisha nyuma maendeleo na kuipakaza jamii mizigo isiyo tarajiwa. Nasi tutahadhari kabla ya hatari

1. Andika kichwa kifaacho kisa hiki **(alm1)**

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2. Ni jambo gani lililomkera Mkaidi baada ya kuolewa na Mshikaji? **(alm1)**

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3. Toa sababu moja iliyomfanya Mkaidi kuwadharau wenzake waliomtangulia kwa mshikaji? **(alm1)**

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4. Ni kwa nini Mkaidi alianza kujuta? **(alm2)**

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5. Toa sababu moja kuonyesha kuwa Mshikaji ndiye aliyeusambza ukimwi **(alm1)**

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6. Kulingana na kifungu hiki taja hasara zinazoletwa na ukimwi. **(alm3)**

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7. Kwa nini walimu na wazazi hawangelaumiwa kwa yale yaliyompata Mkaidi? **(alm1)**

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8. Taja methali moja inayoweza kuafiki kisa hiki. **(alm1)**

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9. Andika maana ya: **(alm5)**

i) butu

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ii) Atazila mbivu

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iii) Akiwa bado mbichi

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v) Vijisenenesenene.

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B. MATUMIZI YA LUGHA (ALAMA 40)

a) Tofautisha kati ya ala tuli na ala sogezi kwa kutolea mfano mmoja mmoja **(alm2)**

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b) Tambua sauti zenye sifa zifuatazo: **(alm2)**

i) irabu ya chini wastani

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ii) kiyeyusho cha midomoni

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iii) Kizuiwa-Kikwamizwa

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iv) Irabu tandaze ya mbele, kati ya ulimi

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c). Onyesha tofauti kati ya silabi wazi na silabi funge **(alm2)**

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d) Tunga sentensi yenye kiunganishi cha masharti **(alm2)**

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e) Geuza kirejeshi katika sentensi ifuatayo ili kuleta dhana ya hali ya mazoea **(alm2)**
Wanafunzi ambao wanasoma kwa bidii watatuzwa

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f) Kwa kuzingatia uamilifu, taja kwa kutolea mifano aina zozote tatu za sentensi za Kiswahili **(alm3)**

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g) Tilia shadda katika neno lililopigiwa mstari katika sentensi ifuatayo : **(alm1)**
Mwimbaji alijinunulia ala za muziki.

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h) Yakinisha kwa wastani umoja **(Alm2)**
Janajike lile halijanunua majitabu mazuri

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i) Tunga sentensi ya neno moja yenye viambajengo vifuatavyo : **(Alm2)**
Nafsi ya pili wingi, mzizi, kauli ya kutenda , 'o'rejeshi tamati

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j) Fafanua miundo mitatu ya nomino za ngeli ya A-WA kwa kutolea mifano mahususi **(ala3)**

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k) Ainisha viambishi awali na tamati ; **(Alm2)**
msipigane

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l) Ainisha virai katika sentensi ifuatayo **(Alm3)**
Mwalimu huyo alikuwa akiandika kitabu kikubwa mno jana jioni.

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m) Tunga sentensi moja kuonyesha maana mbili za neno "kaa" **(Alm2)**

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n) Changanua sentensi ifuatayo kwa njia ya jedwali **(Alm4)**
Uchaguzi ukiisha tutaendelea kupendana.

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o) Tunga sentensi moja kuonyesha matumizi mawili ya kiambishi "-ji" **(Alm2)**

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p) Eleza matumizi mawili ya kibainishi kwa kutolea mifano katika sentensi **(Alm2)**

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q) Tambua kijalizo katika sentensi ifuatayo. **(Alm1)**

Mtoto huyu ni mdogo.

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r) Andika kwa usemi halisi **(Alm3)**

Mwalimu alishangaa na kutaka kujua sababu ya wanafunzi kutoelewa mada hiyo siku hiyo.

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C. ISIMU – JAMII

Soma mazungumzo yafuatayo kisha ujibu maswali yanayofuata.

Mhudumu: Mnakaribishwa. Menyu hii hapa. Moto kama pasi. Mtakula nini?

Mteja 1: Naomba uniletee mix na ugali kubwa. Fanya haraka.

Mteja 2: Mhudumu,hebu leta madodo na chemsha mbili. Pia niletee maji ya machungwa.

Mhudumu: Sawa. Baada ya sekunde utapata yote uliyoagiza.

Mteja 1: (Akila) Wewe, Please bring me drinking water. Yawe baridi tafadhali.

Mhudumu: Ndiyo haya hapa mezani. Glasi ndio hii pia,karibu.

Mteja 2: Nina haraka mzee. Wapi tooth pick?

Mhudumu: Hizo hapo ,mezani karibu na maji.

Mteja 1: (Akiita) Mhudumu,naomba uniletee ugali saucer tafadhali.

Mhudumu: Naam.

Mteja 2: (Akisimama) Nimeshiba. Hizi hapa pesa

Niletee change haraka niondoke.

MASWALI

a) Tambua na ueleze sajili ya mazungumzo haya. **(alm2)**

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b) Fafanua sifa zozote nane zinazojitokeza katika sajili hii **(alm8)**

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D.FASIHI SIMULIZI (ALAMA 15)

a) i). Vitendawili ni nini? **(alm1)**

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ii) Fafanua mchakato/fomyula ya uwasilishaji wa vitendawili **(alm4)**

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b) Linganua vitendawili na methali. **(alm10)**

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EXCELLING STUDENTS FORM ONE
END TERM 2 SERIES TWO EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

END TERM 2

MATHEMATICS (121)

FORM ONE (1)

TIME: 2 ½ HOURS

INSTRUCTIONS TO CANDIDATES

i. Write your name and Index number in the spaces provided above.

ii. This paper consists of two sections: Section I and Section II.

iii. Answer all questions in **Section I** and and all the Five questions from **Section II.**

iv. Show all the steps in your calculations giving your answer at each stage in the spaces provided below each question.

v. Non-programmable silent electronic calculators and KNEC mathematical tables may be used.

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	Total

Grand Total

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SECTION I (50 MKS)

Attempt all questions.

1. Three numbers are such that $m^2n^3k=360$. Find m, n, and k **(3mks)**

2. Without using mathematical tables or a calculator, evaluate: **(3mks)**

$$\frac{28.38 \times 0.3465}{0.645 \times 2.178}$$

3. Three bells ring at regular interval of 9 min, 15 min and 21 min. The bells ring at 5.45 p.m. By 10.00 a.m next day, how many times will they have rung together? **(3mks)**

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4.Evaluate without using mathematical tables or calculator. **(3mks)**

$$\frac{36-8x-4-15 \div -3}{3x-3+ -8\,(6-(-2))}$$

5. A contractor employs 40 men to do a piece of work in 60 days each man working 9 hours a day. He is then requested to do the job in 48 days. How many more men working 10 hours a day does he need to employ.**(3mks)**

6.A camera which is marked at Ksh. 2400 is sold to a consumer after allowing him 10% discount. By doing this, the trader still makes a profit of 20% on the cost of the camera. Determine the cost price of the camera. **(3mks)**

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7. Given that the ratio $x : y = 2:3$, find the ratio $(5x - 2y) : (x + y)$ **(3mks)**

8. Last year, Onyango was four times as old as his son, in four years' time, the sum of their ages will be 53. Determine their present ages. **(3mks)**

9. James left sh 430,500 to be shared by his wife, daughter and son in the ratio of 2:1:3 respectively. His wife decided to divide her share equally between her daughter and son. Find how much the daughter finally got. **(4mks)**

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10. The mean of eight numbers is 25. The mean of the first five numbers is 19. The sixth number is greater than the seventh and eighth numbers by 13 and 11 respectively. Find the sixth number**.** **(4mks)**

11. A Kenyan family intended to spend a holiday in France where Ksh 90,000 was exchanged into Francs. Currency conversation rate is as follows

KES	Buying (Francs)	Selling (Francs)
Ksh 100	53.50	55.75

The family spent 37, 0000 Franc and changed the rest into Kenya shillings. How much did the holiday cost? **(4mks)**

12. A farmer has a piece of land measuring 840m by 396m. He divides it into square plots of equal size. Find the maximum area of one plot. **(3mks)**

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13. Evaluate $3/8$ of $7^{3}/_{5} - {}^{1}/_{3}\,(1^{1}/_{4} + 3^{1}/_{3}) \times 2^{2}/_{5}$ **(3mks)**

14. Using squares and square roots tables evaluate $\sqrt{0.7583} - 0.5835^{2}$ **(3mks)**

) (3 marks)

15. Write 12.309 into improper fraction. (4mrks)

16. A bicycle wheel turns 15 times to cover 66m. Find the radius of the wheel. (Take $\pi = \frac{22}{7}$) **(3mks)**

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SECTION II (50MKS)

Attempt all the questions

17. Harell is a car dealer who specializes in Mercedes Benz and **BMW** cars. He is given a commission of 5% on Mercedes Benz sold from all sales above sh.5 million and 6% on **BMW** on sales above 2 million. A Mercedes Benz costs 2.5 million and a **BMW** costs 1 million. If in the month of December he earned a commission of sh.500, 000 from the sales of Mercedes Benz and sh.480, 000 from **BMW** sales;

(a) Calculate the number of cars of each type that he sold. **(5mks)**

(b) In the month of January, the number of Mercedes Benz sold rose by 75% and that of **BMW** sold dropped by 25%. Calculate the percentage decrease in his earning. **(5mks)**

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18. Carren spent Sh 10,500 to buy a number of shirts and a number of trousers from a wholesaler at sh. 150 per shirt and sh 300 per trouser. Joyce bought the same number of shirts and trousers from another wholesaler where he paid 20% more for a shirt and 10% less for a trouser. Joyce spent sh 300 more than Carren.

(a) Determine the number of shirts and trousers each of the ladies bought. **(4mks)**

(b) Carren sold all the clothes at a profit of 50% per shirt and 30% per trouser. How much profit did she make? **(3mks)**

(c) Joyce sold all her clothes at 45% per shirt and 60% per trouser. Calculate the percentage profit she made on the sales of all her clothes. **(3mks)**

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19. Below is a travel timetable for a vehicle operating between Kisumu and Nairobi 400 km apart.

TOWN	ARRIVAL	DEPARTURE
Kisumu		2015h
Kericho	2205h	2224h
Nakuru	0051h	0118
Naivasha	0302h	0320h
Nairobi	0535h	

(a) How long does the vehicle take to travel from Kisumu to Naivasha? **(2mks)**

(b) For how long does it stay in Nakuru town? **(2mks)**

(c) How long does it take to travel from Kericho to Nairobi? **(2mks)**

(d) What is the average speed for the whole journey? **(4mks)**

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20. (a) A school water tank has a diameter of 3.5m and a height of 820cm. How many litres of water does it carry when full? **(4mks)**

(b) The school uses 4000 litres of water per day, approximately how many days will the full tank last? **(3mks)**

(c) How many kilolitres of water are there in a half rectangular tank 4.2m long, 3m wide and 2.5m deep? **(3mks)**

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21. (i) A minibus had 23 passengers at the beginning of a journey. Twelve passengers alighted at the first stop while 9 boarded. Six of those who boarded at the first stop alighted at the second stop and 12 got in. The minibus did not stop again up to the final destination. The charges from the starting point were sh. 100 up to the first stop, sh. 200 up to the second stop and sh. 250 up to the final destination.

(a) How many passengers alighted at the final destination? **(2mks)**

(b) How many passengers were ferried by the minibus through the journey? **(2mks)**

(c) How much money was collected during the trip? **(2mks)**

(ii) A man invested sh. 6400000 in two companies P and Q. P pays a dividend of 11.25% while Q pays a dividend of 10.3%. If from his total investment, he obtained a return of 10.5%, how much money did he invest in each company? **(4mks)**

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END TERM 2 SERIES TWO EXAMS

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Term 2
PHYSICS (232)
FORM ONE (1)
Time: 2 Hours
INSTRUCTIONS TO CANDIDATES

1.Write your name, class and admission number in the spaces provided

2.All working **MUST** be clearly shown in the spaces provided in this booklet

3.KNEC mathematical tables and non-programmable silent electronic calculators **may** be used.

4.This paper consists of **9** pages

5.Candidates should check the question paper to ascertain that **ALL** pages are printed and that no questions are missing.

1.The Figure 1 below is an arrangement of two set squares and a meter rule being used to determine the external diameter of a cylinder.

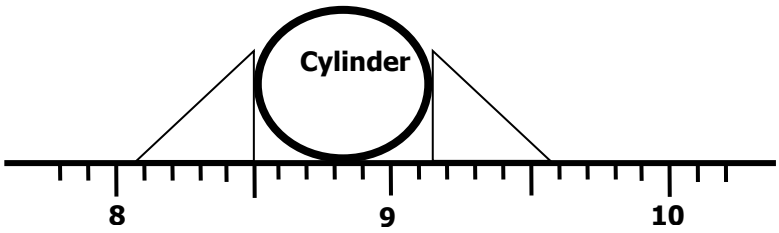


Figure 2

(a) State the accuracy of the meter rule**.** **(1mk)**

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(b) Determine the radius of the cylinder **(2mks)**

2. The figure 2 below shows a Perspex container with a base of sides **5** by **6 cm** carrying water to a height of **3cm**.

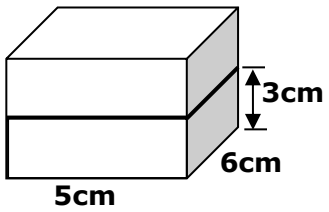


Figure 2

When a pebble is immersed into the water, the level rises to **10 cm**. Determine the volume of the pebble. **(3mks)**

3. The initial level of water in a burette was **32cm^3.** Some **20** drops of water each of volume **0.4cm^3** are **<u>added</u>**. Find its final reading**.** **(3mks)**

4. 1600 cm^3 of fresh water of densit**y 1 g/cm^3** are mixed with **1400cm^3** of seawater of density **1.25g/cm^3**. Determine the density of the mixture. **(3mks)**

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5. Define density and give its **SI** unit**.** **(1mk)**

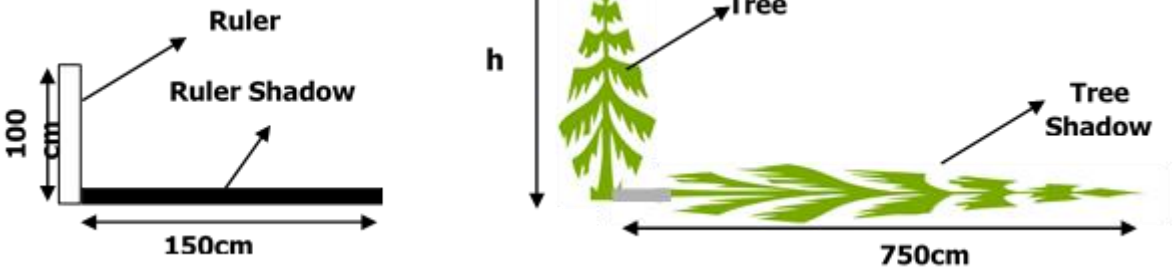
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6. The mass of a density bottle of volume $50cm^3$ is 10.0g when empty. Aluminum turnings are poured into the bottle and the total mass is 60.0g. Water is then added into the turnings till the bottle is full. If the total mass of the bottle and its contents is 90.0g, calculate the density of the aluminium turnings. **(3mks)**

7. In an experiment to estimate the height of a tree using its shadow, a ruler of height **100cm** is placed next to the tree as shown below. If the ruler and the tree forms shadows of **150cm** and **750cm** respectively.



Calculate the height **h** of the tree. (3mks)

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8.a) Name two effects force**.** **(2mks)**

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b) Name the type of force that**:** **(3mks)**

(i) Attracts bodies toward the centre of the earth.

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(ii) Opposes motion between two surfaces in contact.

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(iii) Makes an object appear lighter when being lifted out of water.

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9.a) Define surface tension. **(1mk)**

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b) A steel needle placed on water is found to float even though steel is denser than water. But when the water is heated the needle sinks. Explain why **(2mks)**

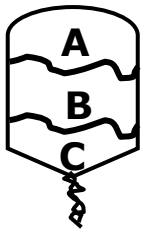
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c) The diagram below shows a wire loop with two threads tied across it. The loop is dipped into a soap solution such that the soap film covers it as shown.



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Region **B** is punctured such that the soap film in that section is broken. On the space alongside the diagram sketch the resulting shape of the wire loop. Give a reason for the shape. **(2mks)**

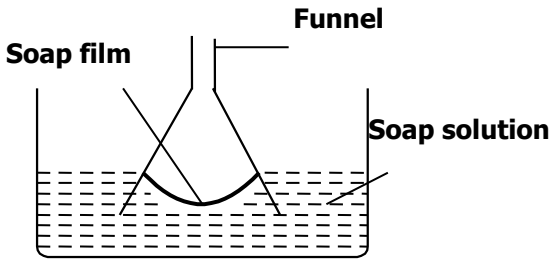
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d) Figure 5 shows a funnel dipped into a liquid soap solution.



State and explain what happens to the soap bubble when the funnel is removed. **(2mks)**

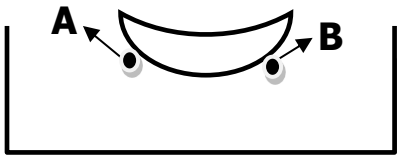
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e) The Figure 6 below shows a toy boat. A piece of soap is attached to end **A** and then the toy is placed on a surface of clean water.



Explain the observation that would be made immediately. **(2mks)**

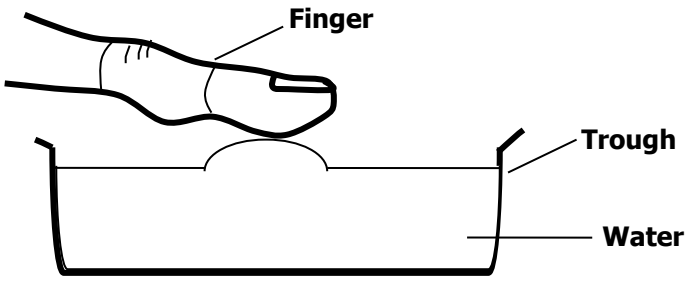
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10. A student placed his finger on a water as shown in the diagram below



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Name the force that lifts the water to the finger **(1mk)**

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11. Name **two** types of forces which can act between objects without contact. **(2mks)**

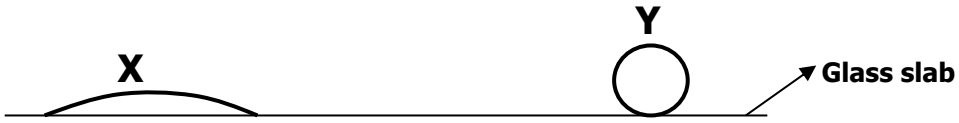
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12. The diagram below shows drop of liquids X and Y carefully put on a clean flat glass slab



Explain the shapes of the drops **(2mks)**

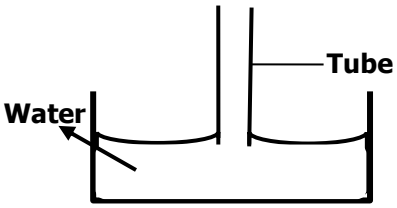
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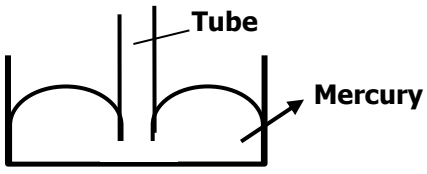
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13. The figures 9 **(i)** and **(ii)** below shows two capillary tubes dipped in water and mercury respectively



(i)



(ii)

i) Indicate on the diagrams above the likely levels of water and mercury in the respective tubes. **(2mks)**

ii) Explain your answer in **(i)** above. **(2mks)**

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14. State **three** differences between mass and weight. **(3mks)**

	MASS	WEIGHT
1.		
2.		
3.		

15. A student was heard saying "the mass of a ball on the moon is one sixth its mass on earth". Give a reason why this statement is wrong**.** **(1mk)**

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16. A body weighs **600N** on the surface of the earth where **g = 10N/Kg** and **150N** on the surface of Venus. Calculate the value force of gravity on Venus. **(3mks)**

17. Determine the resultant vector due to the forces below (**2mks)**

(i) 

(ii) 

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18. a) Define pressure and state its SI units **(1mk)**

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(i) Ploughing tractors have very wide tyres. Explain. **(2mks)**

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b) A block measuring **20cm** by **10cm** by **4cm** rests on a flat surface. The block has a weight of **6N**.

Determine:

i) The minimum pressure it exerts on the surface**.** **(2mks)**

ii) The density of the block in kg/m^3 **(3mks)**

19. Water dams are built with thicker walls at the bottom than at the top. Explain **(1mk)**

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