

PROGRESSIVE STUDENTS FORM TWO
END TERM ONE SERIES ONE EXAMS
(ALL SUBJECTS TESTED)



PROGRESSIVE STUDENTS
FORM TWO END TERM ONE
SERIES ONE 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**

PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

SCHOOL:

DATE:..... ADM NO: SIGNATURE:.....

Term 1

AGRICULTURE (443)

FORM TWO (2)

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

- a. Write your name and admission number in the space provided.
- b. Sign and write the date of examination in the space provided above.
- c. This paper consists of three sections A, B and C (100mks)
- d. Answer all the questions in sections A and B.
- e. Answer any two questions from section C.
- f. All answers should be written in the spaces provided.
- g. Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

FOR EXAMINERS USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A	1-23	40	
B	24-27	20	
C	28	20	
	29	20	
TOTAL SCORE		100	

SECTION A: (40 MARKS) ANSWER ALL QUESTIONS IN THE SPACE PROVIDED

1. State **two** reasons for seed treatment of tree species before planting (1mk)

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2. Give **four** factors that determine spacing of beans (2mks)

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3. State **four** reasons for using certified seeds for planting (2mks)

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4. Mention **two** importance of parent's material in soil profile (1mk)

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5. Mention **four** ways of modifying soil temperature in crop production (2mks)

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6. Name **two** common milk breed of goats reared in Kenya (1mk)

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7. Name **four** dairy cattle breeds reared in Kenya. (2mks)

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8. Differentiate between ‘breed’ of animal and ‘type’ of animal. (1mk)

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9. State **two** roles of humus in the soil that are beneficial to crops (1mk)

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10.a) outline **four** activities that may be undertaken in organic farming (2mks)

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11. State **two** ways in which agriculture contributes to industrial development (1mk)

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12. State **four** ways by which wind affects the growth of crops (2mks)

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13. State **one** physical characteristic used in classifying soil (1mk)

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14. List **four** environmental factors that affect crop distribution in Kenya (2mks)

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15. State **four** advantages of applying lime in clay soil (2mks)

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16. List **two** equipment used in handling cattle during an Agricultural exhibition (1mk)

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17. Give **two** disadvantages of using farmyard manure (1mk)

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18. State **four** factors which influence the stage at which the crops are harvested (2mks)

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19. (a) What is an incomplete compound fertilizer? **(1mk)**

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[illegible][illegible]

20.(a) Distinguish between fertilizer grade and fertilizer ratio **(1mk)**

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(b) List **four** elements whose deficiency results into chlorosis in plants **(2mks)**

[illegible]

21. Calculate the number of tea plants in two hectares (2ha) given that the spacing is 150cm x 75cm and one seedling is planted per **hole** (3mks)

22. Outline **four** reasons why training is important in some crops (2mks)

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23. Give **four** factors that influence the depth of planting (2mks)

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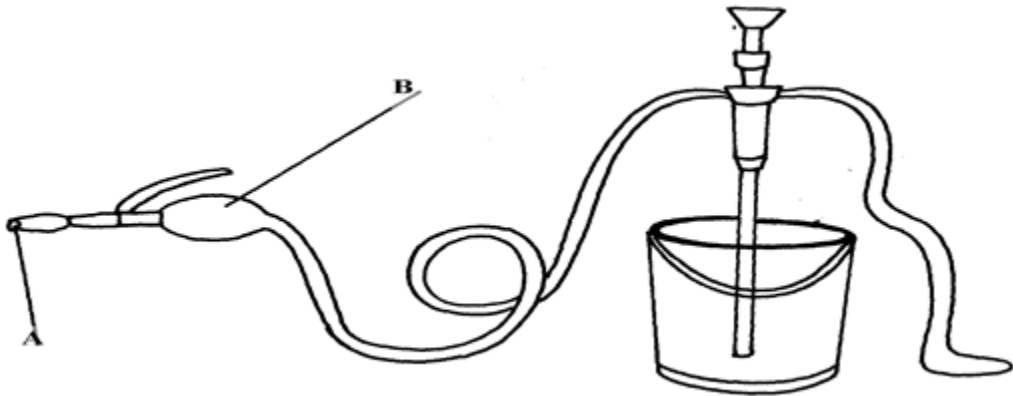
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SECTION B: (20 MARKS)

ANSWER ALL QUESTIONS IN THE SPACE PROVIDED

24. Study the illustration below and answer the questions that follow.



i) Identify the equipment represented by the illustration (1mk)

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ii) What is the use of the equipment? (1mk)

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iii) Name the parts labeled A and B (1mk)

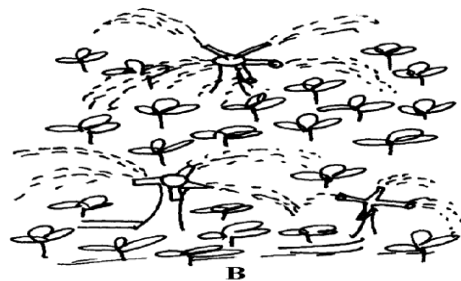
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iv) What is the function of the part labeled **A** and **B**

(2mks)

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25. The diagrams below illustrate some methods of irrigating crops in the field. Study the diagrams and answer the questions that follow:



(a) Identify the methods used; (i) **A** (ii) **B**

(1mk)

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.....
(b) State **two** advantages of method **A** over method **B**

(2mks)

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c) Name **two** farming practice that cause water pollution

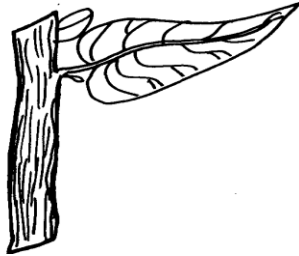
(2mks)

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26. Mr. Malombe of Shinyalu village prepared to top dress 10 hectares of nappier grass using sulphate of ammonia (21%N). Sulphate of ammonia is applied at rate of 150kg per hectare.
Calculate

a) The quantity of sulphate ammonia fertilizer the farmer will need for 10 hectares (3mks)

b) The number of 50kg bags of fertilizer he will purchase (2mks)

27. Study the illustration below of a tea vegetative material and answer the questions that follow



a) What name is given to the vegetative material drawn above for tea propagation (1mk)

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b) State **two** desirable characteristics of the selected plants used to develop the plant shown (2mks)

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c) Give **two** precautions observed during the preparation of the material above before planting (2mks)

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SECTION C: (40 MARKS)

ANSWER ALL QUESTIONS IN THE SPACE PROVIDED

28. (a) Explain five the factors considered in timely planting of annual crops (10mks)

(b) Explain **five** ways of preparing planting materials before planting (10mks)

29. (a) Describe water treatment system in a chemical treatment plant (12mks)

(b) List **four** benefits of pruning in crop production (4mks)

(c) Give **four** reasons why soil from the farm is tested (4mks)

[illegible]

PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

SCHOOL:

DATE:..... ADM NO: SIGNATURE:.....

TERM 1
BIOLOGY (231/1)
FORM TWO (2)
Time: 2 Hours

INSTRUCTIONS

- 1.This Paper has TWO Sections A and B
- 2.All Questions are Compulsory.
- 3.Write your Answers in the Spaces Provided.
- 4.Wrong Spelling of Technical Terms shall be Penalized.

SECTION		Student's Score
A	40	
B	40	
TOTAL	80	

SECTION A (40 MARKS)

1.a) Define the term Classification

(1mk)

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b) Give **TWO** conditions that must be met for two organisms to be of same species

(2mks)

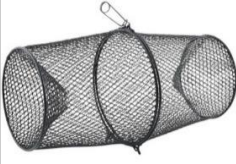
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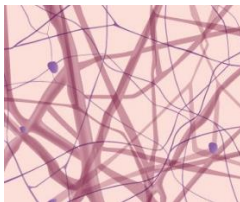
2.State the name and use of the following laboratory equipment in biological studies

(6mks)

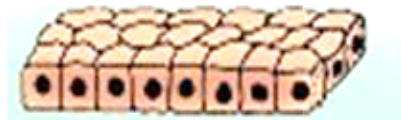
EQUIPMENT	NAME	FUNCTION
		
		
		

3.a) Identify the tissues shown below

(2mks)



A.....



B.....

b) State the importance of **A** in human body

(1mk)

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.....

.....

4.a) Name the parts of a microscope that are used for the following functions (2mks)

i) Control amount of light entering the microscope stage

.....

.....

ii) Adjust the high power objective when observing images

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b) State TWO importance of cover slip in microscope work (2mks)

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5.State the functions of the following parts of a root (2mks)

a) Pericycle

.....

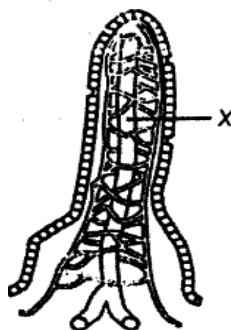
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b) Endodermis

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6.The diagram shown below is found in the alimentary canal of mammals



a) In which part of the alimentary canal is the structure above found? (1mk)

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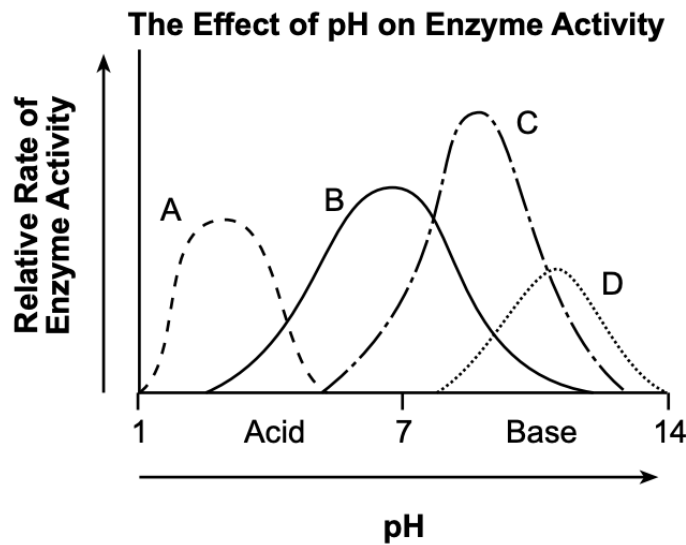
b) Identify and give the function of the part labelled X (2mks)

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7.The graph shown below represents the rate of reaction of different enzymes when subjected to varied pH levels



- a) With a reason, name the part of the alimentary canal where enzyme **A** is found
- i) Part (1mk)
- ii) Reason (1mk)
- b) The rate of reaction for enzyme **B** declines after pH 7. Explain (1mk)
-
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-
-
- 8.State **TWO** good practices of handling and care of light microscope lenses (2mks)
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-
- 9.a) State the significance of secreting Trypsin in their inactive forms (1mk)
-
-
-
- b) Name the substance that activate the following compounds into their active forms:
- i) Pepsinogen (1mk)
- ii) Trypsinogen (1mk)

10. a) State the importance of red blood cells lacking the following organelles (2mks)

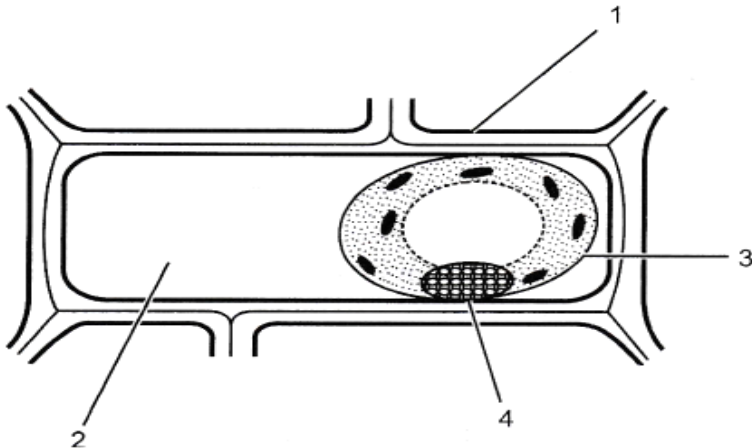
i)Mitochondria.....

ii)Nucleus.....

b) Give differences between leucocytes and erythrocytes in terms of the following (3mks)

Feature	Erythrocytes	Leucocytes
Site of Formation		
Haemoglobin		
Function		

11. A plant cell developed the appearance below after being placed in solution Q for 1 hour



a) Give the term used to describe the appearance of the cell above (1mk)

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b) How can the cell be made to revert to its normal appearance? (1mk)

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.....

c) Name the process that will allow entry of solution found in part labelled 2 (1mk)

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12. a) State the functions of the following parts of the mammalian heart (2mks)

i) Interventricular septum

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ii) Semi-lunar valve in the right heart chambers

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b) Why is the cardiac muscle said to be myogenic? (1mk)

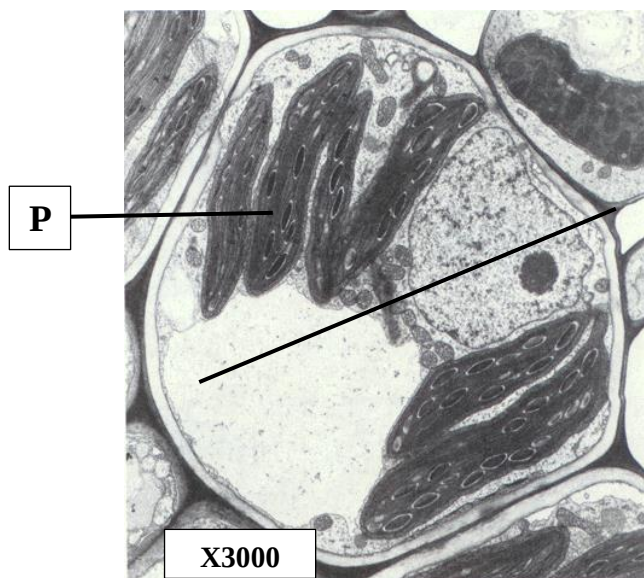
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SECTION B (40 MARKS)

13. Study the photomicrograph shown below and answer questions that follow



a) Is this a plant cell or an animal cell? (1mk)

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b) Give **TWO** reasons for your answer in a) above (2mks)

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c) How is mitochondria important in the functioning of organelle labelled **P** (2mks)

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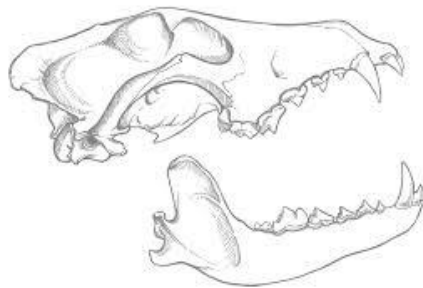
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d) Determine the actual diameter of the cell represented by the dark line in micrometers (3mks)

14. The skull of an animal is shown in the diagram below.use it to answer questions that follow



a) Name the mode of feeding of the animal with the jaws above (1mk)

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b) Give **TWO** reasons for your answer in a) above (2mks)

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c) Why do the animals with jaws above have a shorter alimentary canal (2mks)

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d) If an adult human being has **8** premolars, **4** canines, **12** molars and **8** incisors, write down the correct dental formula (1mk)

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e) Give **TWO** ways in which the pulp cavity is important to the function of the teeth (2mks)

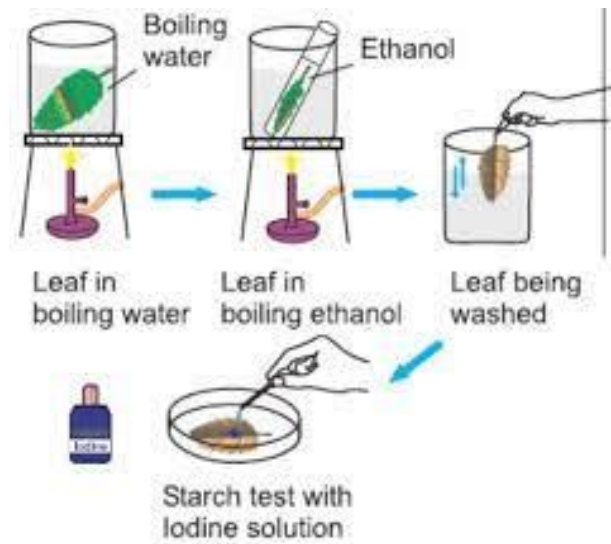
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15. The diagram shown below represents the sequence followed in the laboratory during the testing for starch in the leaf



a) What is the importance of the following stages (3mks)

i) Boiling leaf in water

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ii) Boiling leaf in Ethanol

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iii) Heating the ethanol indirectly over a water bath

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b) Fill in the table below to shown the conclusion if the folowing colours are observed after placing drops of iodine onto the leaf at the end of the experiment (2mks)

COLOUR OBSERVED	CONCLUSION
Blue Black	
Brown	

c) Write a word equation for photosynthesis process

(1mk)

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.....

d) Give **TWO** reasons why carbohydrates are stored as starch and not glucose in plants

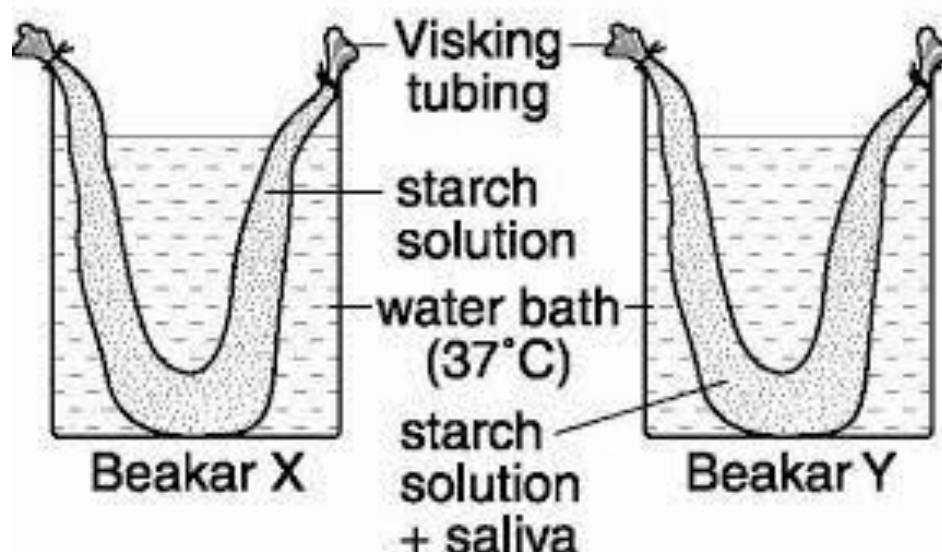
(2mks)

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16. The following set up was used to investigate a physiological process in organisms



a) Why was the set up maintained at 37°C?

(1mk)

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b) What is the observed colour in the following beakers at the end of the experiment

(2mks)

i) Beaker X.....

ii) Beaker Y.....

c) Account for the size of the visking tubing in Beaker Y at the end of the experiment

(3mks)

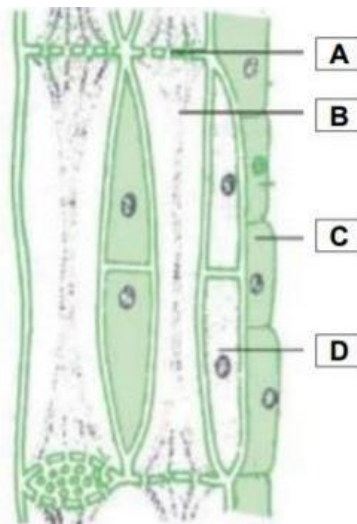
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d) State the importance of the physiological process being investigated to plants (2mks)

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17. The shown below is a tissue found in plants



a) Give the function and identity of the tissue above (2mks)

Identity

Function

b) Identify the parts of the tissue labelled as : (2mks)

i) A

ii) D

c) Name the structure that links part labelled B to that labelled D (1mk)

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d) Give **THREE** adaptations of the tissue shown above to its function (3mks)

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END

PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

SCHOOL:

DATE:..... ADM NO: SIGNATURE:.....

Term 1

BUSINESS STUDIES

FORM TWO (2)

Time: 2 Hours

INSTRUCTIONS TO CANDIDATES

- a) Write your name and Index number in the spaces provided above.
 - b) Write the date of examination in the spaces provided above.
 - c) Answer **ALL** the questions.
 - d) **ALL** answers must be written in the spaces provided in this booklet.
1. In the spaces provided below, indicate the type of utility created by each of the following commercial activities. [4mks]

Commercial activity	Type of utility
Selling goods to customer.	
Transporting goods.	
Storekeeping.	
Making a chair.	

- 2.Outline four differences between a good and a service. [4mks]

Goods	Service

3.State four advantages of division of labour. [4mks]

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4.Outline four features of economic resources. [4mks]

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5.Outline four features of indirect production. [4mks]

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6.Highlight four benefits of a business plan to an entrepreneur. [4mks]

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7.State four characteristics of a successful entrepreneur. [4mks]

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8.State four ways in which a good filing system may facilitate the operations in an office. [4mks]

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9.State four functions of an office. [4mks]

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10. Highlight four features of a private limited company. [4mks]

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11. State four advantages of operating a partnership form of business. [4mks]

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12. Outline four sources of finance for a public limited company. [4mks]

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13. State four clauses found in the memorandum of association. **[4mks]**

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14. State four benefits that a farmer may derive from being a member of a producer co-operative society. **[4mks]**

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15. Outline four duties of a commercial attaché. **[4mks]**

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16. Outline four methods that the government of Kenya uses to regulate business activities. **[4mks]**

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17. Highlight four advantages of government involvement in business. **[4mks]**

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18. Outline four roles of stock exchange in the economy. **[4mks]**

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19. Outline four ways in which the government would create an enabling environment for business operations. **[4mks]**

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20. Highlight four ways in which a consumer may be exploited. **[4mks]**

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21. Distinguish between the following trends as used in forms of business units.

i.Absorptions and mergers. **[2mks]**

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ii.Cartels and franchising. **[2marks]**

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22. The following are some of the documents used in home trade; invoice, statement of account, catalogue and cash sale slip. Match each document with the appropriate description provided in the table below. **[4mks]**

Description	Document
Shows details of goods offered for sale.	
Gives quantity, unit price and total amount to be paid.	
Shows transactions since the last date of payment.	
Shows description of goods bought prices and total amount.	

23. Identify the types of wholesalers described in the statement given below.[4marks

Statement.	Type Of Wholesaler.
A wholesaler who trades in maize grain only.	
A wholesaler who supplies goods to most of the traders in Kitui, Mbooni and Machakos districts in the Eastern parts of Kenya.	
A wholesaler who buys potatoes from farmers in rural areas and sells the same to other wholesalers in urban areas.	
A wholesaler who trades in wide variety of human medicine.	

24. Highlight four circumstances in which a cheque maybe used as a means of payment. [4mks]

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25. On 2nd November 2006 Oromo received an invoice for sh.12.000. Terms of payment were trade discount 5 % and cash discount 10 % if payment is made within 30 days. Determine the amount paid if payment was made on 28th November 2006. [4mks]

PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

SCHOOL:

DATE:..... ADM NO: SIGNATURE:.....

Term 1

CHEMISTRY(233)

FORM TWO(2)

Time: 2 Hours

INSTRUCTIONS TO CANDIDATES

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

For Examiners' use only

Question	Maximum Score	Candidates's Score
26	80	

1. Two elements X and Y are represented as shown below

${}_{17}X$ and ${}_{20}Y$

- a. Write the formula of the compound formed when X and Y react. (1mk)

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.....

- b. State the family name to which element X belongs. (1mk)

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- c. Element Y has a mass number of 40, how many neutrons are present in its nucleus? (1mk)

2. (a) Distinguish between a mixture and a compound.

(2mks)

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(b) Name one element which undergo sublimation.

(1mk)

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3. Study the table below and use it to answer the questions that follow. The letters do not represent actual elements

Element	G	H	I	J
Atomic number	11	12	16	18

a. Compare the atomic sizes of elements H and I. Explain.

(2mks)

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b. Identify an element that forms an oxide with acidic properties.

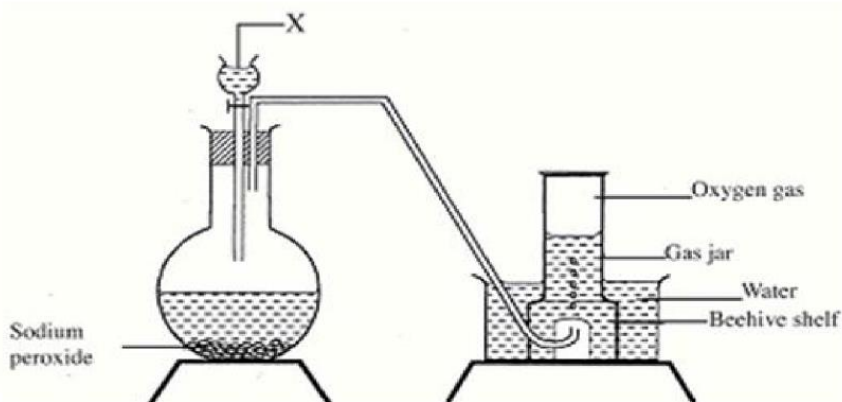
(1mk)

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4. The set up below can be used to prepare oxygen gas. Study it and answer the questions that follow.



a. Identify substance X.

(1mk)

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b. What property of oxygen makes it possible for it to be collected as shown in the above set up? **(1mk)**

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c.State one industrial use of oxygen. **(1mk)**

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5.An element Y has the electronic configuration 2.8.5

a.Which period and group of the periodic table does the element belong? **(1mk)**

Group.....

Period.....

b.Write electron arrangement of the ion of Y. **(1mk)**

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.....

c.Explain the difference between the atomic radius of element Y and its ionic radius **(2mks)**

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6.The table below shows the PH values of solutions P, Q, R and S.

Solution	P	Q	R	S
PH	2	7	11	14

Which solution is likely to be that of: **(3mks)**

a.Calcium hydroxide.....

b. Sodium chloride.....

c.Potassium hydroxide.....

7. Two solutions J and K were tested with blue litmus papers and methyl orange indicator.

Blue litmus remained blue in both solutions. Methyl orange remained orange in K but turned yellow in J.

a. What is the nature of substance J? Explain.

(2mks)

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b. Give an example of a substance that K is likely to be.

(1mk)

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8. (a) What is meant by the terms:

(2mks)

i. Atom

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ii. Mass number

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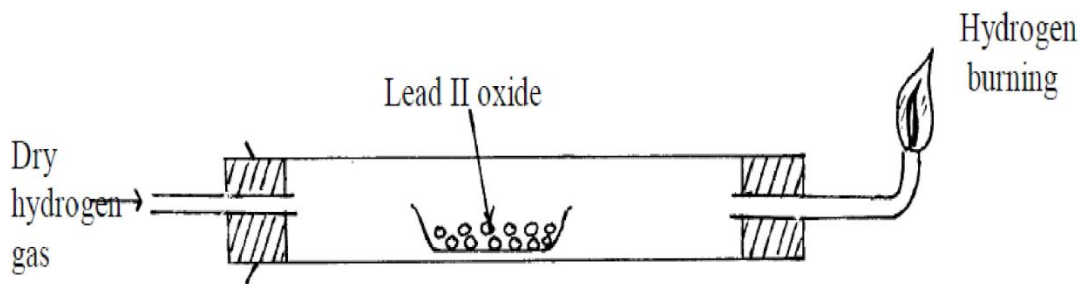
(b) The formula of chloride of element Y is YCl_3 . What is the formula of its sulphate

(1mk)

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9. Use the set-up below to answer the questions that follows.



a. State the condition missing in the set up

(1mk)

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b. Why is excess hydrogen burnt at the end of the tube.

(1mk)

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c. What type of reaction is occurring in the combustion tube?

(1mk)

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10. Element X is found in period 3 and group (IV) of the periodic table. It consists of two isotopes ^{28}X and $^{\text{q}}\text{X}$. A sample of X was found to consist of 90% of ^{28}X . If the relative atomic mass of X is 28.3, work out the number of neutrons in $^{\text{q}}\text{X}$. (3mks)

11. The diagram below shows a non-luminous flame. Use it to answer the questions that follow:



Two wooden splints were placed across regions X and Y respectively. Draw labelled diagrams to show the effects observed on the wooden splint placed across each region.

a. Region X. (1½mks)

b. Region Y. (1½mks)

12. When a piece of sodium metal is added to water a vigorous reaction takes place and a colourless gas is given off

a. Name the colourless gas (1mk)

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b. State and explain the observations made when both red and blue litmus papers are dropped into the water after the reaction (2mks)

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

a. Copper metal (1mk)

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b. Copper (II) nitrate (1mk)

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

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

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

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

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15. Name two apparatus used to measure fixed accurate volume of liquids in the laboratory (2mks)

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16. Element B and C belong to the second group of the periodic table. Element B is above C in the group

a. How does their atomic radii compare? Explain? (2mks)

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b. How does reactivity of these elements with dilute acids compare. Explain (2mks)

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c. Write an equation for the reaction between element C with dilute hydrochloric acid (1mk)

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17. Write the chemical formulae of the following compounds

a) Lead(II) carbonate (1mk)

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b) Magnesium nitrate (1mk)

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18. Distinguish between ionization energy and electron affinity. (2mks)

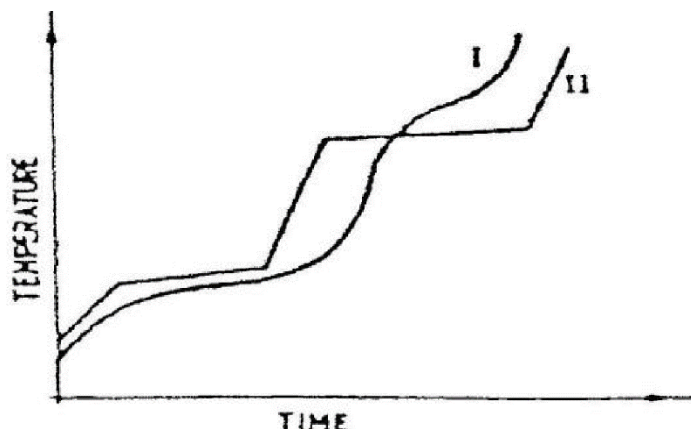
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19. The curve below represents the variation of temperature with time when pure and impure samples of a solid were heated separately.



Which curve shows the variation in temperature for the pure solid? Explain. (2mks)

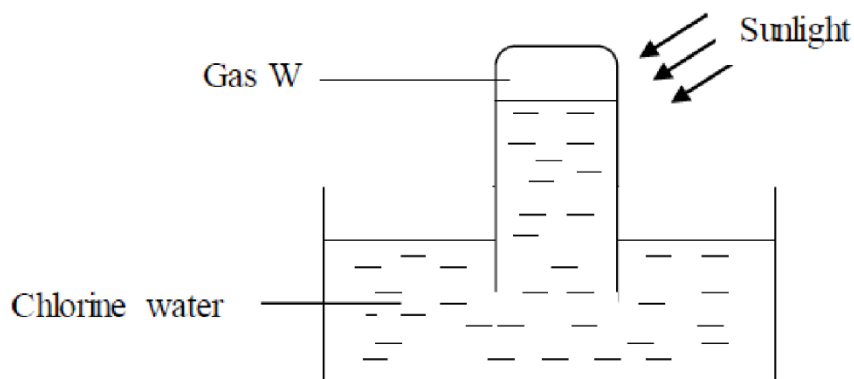
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20. In an experiment, a test-tube full of chlorine water was inverted in chlorine water as shown in the diagram below and the set up left in sunlight for one day.



a. What compounds are present in chlorine water (1mk)

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b. Identify gas W (1mk)

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c. Write an equation to show the formation of gas W (1mk)

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d. Which compound is left in the beaker after complete formation of gas W? (1mk)

21. Observe the equation below



a. Balance the equation (1mk)

b. Select the following from the above equation

i. Oxidizing agent (1mk)

ii. Reducing agent (1mk)

c. State one situation where redox reactions are applied in industry (1mk)

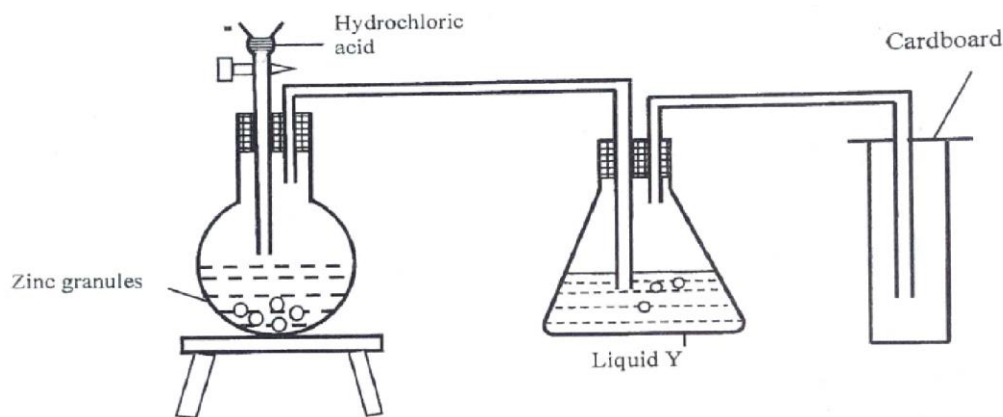
22. Describe an experimental procedure that can be used to extract oil from nut seeds. (3mks)

23. The table below gives the energy required to remove the outermost electron for some group I elements

Element	I	II	III	IV
Ionization Energy kJmol ⁻¹	494	418	519	376

Arrange the elements in order of their reactivity starting with the most reactive. (2mks)

24. The set up below was used to prepare dry hydrogen gas.



a. Identify the mistake in the set up above.

(1mk)

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b. What would be liquid Y?

(1mk)

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c. Write a chemical equation for the reaction taking place in the round bottomed flask.

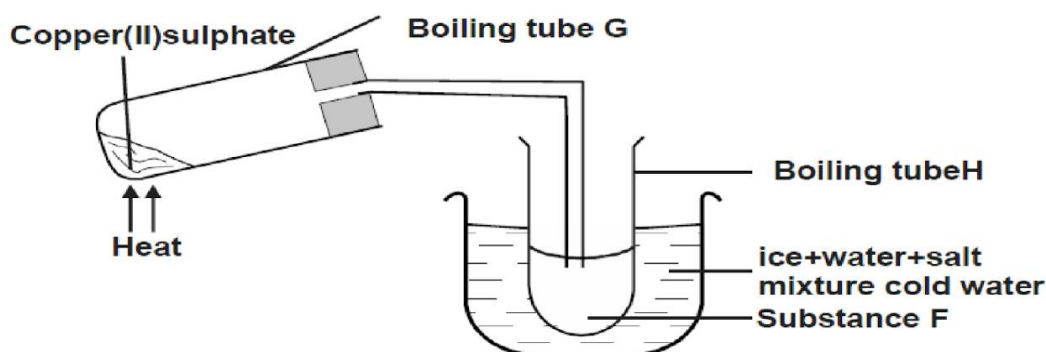
(1mk)

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25. The copper below shows the effect of heat on hydrated copper (II) sulphite



a. State the observations made in tube G.

(2mks)

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b.Identify substance F..... **(1mk)**

c. Explain the use of the following in the above set up

i. Ice cold water. **(1mk)**

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ii. Salt in ice cold water. **(1mk)**

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d.Boiling tube G kept at a slanting position. **(1mk)**

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e. Describe a chemical test for substance F. **(1mk)**

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26. What name is given to each of the following?

a.Ability of an element to attract electrons **(1mk)**

b.Types of forces that holds the atoms of Neon together **(1mk)**

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PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

SCHOOL:

DATE:..... ADM NO: SIGNATURE:.....

Term 1

COMPUTER STUDIES (451)

FORM TWO(2)

Time: 2 Hours

INSTRUCTIONS TO CANDIDATES:

Attempt all the questions in the spaces provided

QUESTIONS	MAX SCORE	Score
1-29	100	

This paper consists of 5 printed pages. Candidate should check to ascertain that all pages are printed as indicated and that no questions are missing.

1.a) Define the term password as used in word processor. (1mk)

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b) Differentiate between standard dictionary and customized dictionary in word processor. (2mks.)

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2.State the measuring unit of the following computer components. (3mks)

a.Processor.

b. Hard disk

c.Monitor.

3.Explain why it is important to ensure the computer laboratory is well laid out. (2mks)

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4.Differentiate between cold booting and warm booting. (2mks)

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5.State **three** examples of toggle keys of the keyboard. (3mks)

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6.Differentiate between cursor movement and editing keys of the keyboard. (2mks)

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7.State **three** resources under the control of the operating system. (3mks)

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8.Give **four** methods of auto capturing of data from the source for processing. (4mks)

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9.Differentiate between drive and driver as used in computing. (2mks)

10. List **three** areas one need to consider before signing a warranty document. (3mks)

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11. State **three** programs that make up Microsoft office suite. (3mks)

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12. Give **two** characteristics of USB cable. (2mks)

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13. State **four** factors to consider when selecting an output device. (4mks)

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14. Define the term formatting as used in word processor. (2mks)

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15. Name **four** functions performed by word processor. (4mks)

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16. Using example differentiate between insert mode and type over mode as used in word processor. (4mks)

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17. Differentiate between red wave line underline and green wave line underline in word processor. (2mks)

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18. Define the term proofreading a document. (2mks)

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19. State **three** ways of proofing a document in Microsoft word. (3mks)

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20. Using example describe any **four**-text case used in word processor. (8mks)

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21. State **four** characteristics of cathode ray tube monitors. (4mks)

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22. Explain the following monitor terminologies.

(6mks)

a.Pixel

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b. Resolution

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c.Display size

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23. State **three** factors that determine the cost of a computer.

(3mks)

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24. Explain why the memory of the computer is referred as

(4mks)

a.Working memory

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b.Random memory

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25. List **three** functions of the processor of the computer

(3mks)

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26. State **four** characteristics of laptop computers.

(4mks)

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[illegible][illegible]

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PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

SCHOOL:

DATE:..... ADM NO: SIGNATURE:.....

TERM 1

CHRISTIAN RELIGIOUS EDUCATION

FORM TWO (2)

Time: 2 Hours

INSTRUCTIONS: Answer ALL the questions in the spaces provided.

1a) What was Gods' plan for the salvation of humankind (6mks)

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b) Explain the Israelites new Understanding of the nature of God after the Renewal of the Sinai covenant (7mks)

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c) Identify factors that lead Christians away from God (7mks)

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2a) State factors why Samuel was against the institution of kingship in Israel (7mks)

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b) Explain Elijah's fight against corruption (8mks)

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c) State lessons Christians learn from Elijah prophetic mission (5mks)

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3 a) Outline the African concept of community (6mks)

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(8mks)

(8mks)

(8mks)

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b) List five titles that Prophet Isaiah used to refer to the future Messiah (5mks)

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c)What was the Jewish concept of the Messiah (7mks)

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5 a) Outline what Angel Gabriel said about the child to be born to Zechariah and Elisabeth during the annunciation. (7mks)

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b) Describe what happened on the Passover when Jesus visited the Temple at the age of 12 (7mks)

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c) What Lessons do Christians learn from the event when Jesus visited the Temple. (6mks)

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PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

SCHOOL:

DATE:..... ADM NO: SIGNATURE:.....

Term 1

ENGLISH (101)

FORM TWO (2)

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 13 printed pages.

FOR EXAMINER'S USE ONLY

QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
1. FUNCTIONAL WRITING	20	
2. CLOZE TEST	10	
3. ORAL LITERATURE	20	
4. COMPREHENSION	20	
5. ORAL SKILLS	10	
6. GRAMMAR	20	
100		

1. FUNCTIONAL WRITING

You have a friend who you saw last five years ago. Recently you received a letter from him, telling you where he had been and what he has been doing. Write a letter to this long lost friend expressing your excitement on hearing from him and request him to attend your brother's wedding. (20mks)

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[illegible]

2. CLOZE TEST (10 marks)

Read the passage below and then fill in the blank spaces. Use only ONE word in each space.

The (1)..... common way for germs to spread from one person to another or from animals to people is (2) drinking water.

Drinking water from a tap is not possible for everybody (3) wells and springs can be kept clean. Wells need a fence around them to prevent animals from falling (4)People might not notice that there was a dead animal in the well. Then it would rot and every one would become (5) from the eater. (6) can put germs into springs and water-holes with their feet and tongues if they drink from them. Springs and water-holes need a (7) around them too. Best of all, drinking water sources should be covered and water taken (8) with a pump. People must not use the grass or brushes near a source of drinking water as (9) The (10) can easily be washed into the water by the rain

3. ORAL LITERATURE

Read the narrative below and then answer questions that follow. (20 marks)

Long long time ago Baboon was a cheat and always tried take advantage of other animals. One evening when the tortoise was crawling slowly home, he met baboon on his path.

"Hello, old fellow," said the baboon heartily. "Have you found much to eat today?"

'No,' replied Tortoise sadly. "Very little indeed."

The baboon danced up and down, chortling with laughter at an idea which had just come to him. "Follow me, poor old Tortoise," he exclaimed, "and when you reach my home I will have supper all ready for you."

"Thank you. Thank you," said the grateful Tortoise, as the baboon turned round and bounced gaily along the path that led to his home.

Tortoise followed as fast as he could, which was very slow indeed, especially when he went uphill.

Once or twice he stopped to rest, when the ground became so bumpy that he got disheartened, but holding in his mind the picture of a wonderful feast, he plodded on.

At last he reached the place in the bush that the baboon called his home.

There he was, leaping about and grinning to himself, and as soon as he caught sight of Tortoise he exclaimed:

"Bless my tail! What a long time you have taken to get here. I declare it must be tomorrow already!"

"I'm so sorry," said Tortoise, puffing a little after his long journey. "But I'm sure you have had plenty of time to get the supper ready, so do not grumble at Me."

"Oh, yes, indeed!" replied the baboon, rubbing his hands together. "Supper's all ready. All you have to do is to climb up and get it. Look!" he said, pointing to the top of a tree. "Three pots of millet-beer, brewed especially for you."

The poor tortoise looked up at the pots, which the baboon had wedged in the branches high above his head. He knew he could never reach them, and the baboon knew that too.

"Bring one down for me, there's a good friend," begged Tortoise, but the baboon climbed the tree in the twinkling of an eye and shouted down to him: "Oh, no! Anybody who wants supper with me must climb up to get it."

So poor Tortoise could only begin his long homeward journey with a very empty stomach, cursing at his inability to climb trees.

But as he went along, he worked out a splendid plan for getting his own back on the unkind baboon.

A few days later the baboon had an invitation to eat with Tortoise.

Baboon was very surprised, but knowing how slow and good-natured the tortoise was, the baboon said to himself: "Oh, well, the fellow evidently saw the joke and bears me no malice. I'll go along and see what I can get out of him."

At the appointed time the baboon set out along the track that led to Tortoise's home.

Now it was the dry season, when many bush fires occur, which leave the ground scorched and black.

Just beyond the river the baboon found a wide stretch of burnt and blackened grass, over which he bounded towards Tortoise, who stood waiting beside a cooking pot from which issued the most savoury of smells. "Ah, it's my friend the baboon!" said Tortoise. "I'm very pleased to see you. But did your mother never teach you that you must wash your hands before meals? Just look at them! They're as black as soot."

The baboon looked at his hands, which were indeed very black from crossing the burnt patch of ground.

"Now run back to the river and wash," said Tortoise, "and when you are clean I will give you some supper."

The baboon scampered across the black earth and washed himself in the river, but when he came to return to Tortoise, he found he had to cross the burnt ground again and so arrived as dirty as before.

"That will never do! I told you that you could only eat with me if you were clean. Go back and wash again! And you had better be quick about it because I have started my supper already," said Tortoise, with his mouth full of food.

The poor baboon went back to the river time and again, but try as he would he got his hands and feet black each time he returned, and Tortoise refused to give him any of the delicious food that was fast disappearing.

As Tortoise swallowed the last morsel, the baboon realized he had been tricked and with a cry of rage he crossed the burnt ground for the last time and ran all the way home.

"That will teach you a lesson, my friend," said the Tortoise, smiling, as, well-fed and contented, he withdrew into his shell for a long night's sleep.

My story ends there.

(a) Classify the narrative above. Give a reason for your answer. **(3mks)**

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(b) "Thank you. Thank you," said the grateful Tortoise. Why do you think the Tortoise thanks Baboon twice? **(2mks)**

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(c) Cite an example of each of the following features of narratives from the story above. **(4mks)**

i. Opening formula

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ii. Closing formula

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(d) Tortoise can be described as below. Explain the reason for each. **(4mks)**

i. Grateful

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ii. Vengeful

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(e) i) What did the tortoise and baboon doing for a living? **(2mks)**

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ii) Why was the baboon surprised? **(2mks)**

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(f) Baboon appears to be more foolish than Tortoise. Give two reasons in support of this. **(2mks)**

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(g) What lesson do you learn from the story? **(1mk)**

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4.COMPREHENSION

Read the passage below and then answer questions that follow.

(20 marks)

ANC OFFERS KANU, ODM LOTS OF LESSONS

On January 2007, Africa's largest, oldest political party- the African National Congress was having her centenary celebrations. This was to be a gigantic milestone for former South Africa Nelson Mandela's party and it my passionate prayer he was to be in a good shape to attend the momentous event.

The main event of the **celebrations** was the presidential centennial gala dinner at Vista University in Free State to be hosted by President Jacob Zuma on January 7.

This was to be a spectacle to behold, **Media** reports have it that Zuma had extended official invitations to Kenya's Prime Minister Raila Odinga and his deputy Uhuru Kenyatta to attend the January 7 event.

The ANC events provide us with an opportunity to reflect on the **significance** of our parties in shaping our country's political, economic and social landscape. It would be prudent to ask ourselves whether our own political parties are anywhere in comparison to ANC. Have our parties fulfilled their mandate or have they only operated vehicles to ascend to power?

Raila Odinga sits at the helm of ODM, which was then Kenya's largest political party while Uhuru was the chairman of Kenya's oldest political party, Kanu. The two were therefore important in Kenya's political landscape and deserved the ANC invitation. Kanu was by then re-inventing itself while ODM had just concluded its grassroots election in compliance with the new Political Parties Act.

ANC was formed on January 8, 1912 in response to perceived injustices against black South Africans at the hands of the then white South African Government and had remained strong to date.

ANC basically delivered its original mandate when it led South Africa in ending apartheid after the successful and fully-representative multi-democratic elections in 1994.

This was a big plus for ANC and will remain etched in the minds of South Africans and the world in general for a very long time.

Kanu is also credited with leading Kenya into independence; however, its leadership later took a completely different path which was nowhere near her original **vision**. After assuming power, it immediately engaged itself in an amazing plunder of national resources through mismanagement, tribalism, cronyism and political patronage.

Today, Kanu cannot boast of the kind of exploits ANC was to be **parading** on January 8 that year. ODM was also measuring itself against ANC.

Let this be an opportunity for Kenya's political parties to learn and reflect on what it means to exist for posterity.

Quoted from (David Sonye, Nairobi)

1. Identify the personal pronoun used with ANC and KANU? (1mk)

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2. Name any three important officials invited to the event. (3mks)

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3. Give three reasons why KANU cannot boast of the kind of success as that of ANC (3mks)

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4. Write any three lessons learnt from ANC. (3mks)

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5. Explain the reasons why ODM and KANU were invited to the event. (3mks)

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6. Where was the main event of ANC? (1mk)

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7. Who hosted the ANC events and when were they held (1mk)

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8. Explain the meanings of the following words and phrases as used in the passage. (5mks)

i. Celebrations

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ii. Media

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iii. Significance

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iv. Vision

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v. Parading

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5 ORAL SKILLS (10mks)

a) Give another word that is pronounced the same as the following; (6mks)

i. Weak

ii. One

iii. Flour

iv. Blue

v. Ate

vi. Due.....

b) Complete the dialogue below with the most suitable polite phrases. (4mks)

Student:get in?

Teacher: Yes, Amollo. You may get in.

Student:for allowing me in.

Teacher: Feel free. Any problem?

Student: I did not collect my books as others did.

Teacher: You are forgiven, but make sure you don't repeat this next time.

Student:again, sir. I promise.

6.GRAMMAR

(20mks)

(a) Fill in the most suitable form of the adjective in bracket.

(4mks)

- i. She wasthan I thought. (young)
- ii. Angela isof the five girls. (pretty)
- iii. She is notthan her brother. (successful)
- iv. That was thething to think of. (funny)

(b) Complete the sentence with the most suitable form of the verb given in bracket.

(4mks)

- i. The kangaroo always (carry) its baby.
- ii. The dog (eat) its toy last night.
- iii. The man (drive) to the supermarket last weekend.
- iv. I often see her mother but she never (speak) to me.

(c) Fill in the blank spaces with the correct articles.

(4mks)

- i.elephant is a gentle animal.
- ii. Jane ishonest girl.
- iii. Peter istallest in our class.
- iv. She joined.....University in Nigeria.

(d) Pick from the list (for, but, and, so, yet, or, nor) to fill in the blank spaces.

(4mks)

- i. We were out of sugar,we went out to buy some.
- ii. Would you like breadtoast for breakfast?
- iii. I adore that supermarket,I want to own it one day.
- iv. The old castle seemed grandmysterious.

(e) Use the correct question tags to fill in the gaps.

(4mks)

- i. They should weed the plants,.....
- ii. He won't come tomorrow,.....
- iii. Can bring you what I molded,.....
- iv. Close the window,.....

PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

SCHOOL:

DATE:..... ADM NO: SIGNATURE:.....

Term 1

GEOGRAPHY (312)

FORM TWO (2)

Time: 2 ½ Hours

INSTRUCTIONS TO STUDENTS

- This paper has **two** sections: **A** and **B**
- Answer **ALL** the questions.
- All the answers must be written on the spaces provided.
- Candidates must answer the questions in English.

FOR EXAMINER'S USE ONLY

Section	Questions	MaximumScore	Candidate's Score
A	1 - 5	25	
	6	25	
	7	25	
	8	25	
		100	

SECTION A

1. a) Define the term environment (2mks)

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b) Give three branches of geography (3mks)

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

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b) State three characteristics of the outer core in the interior structure of the earth. **(3mks)**

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3.(a) Define the term 'Rocks' **(2mks)**

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(b) Give the classification of rocks according to the origin or mode of formation **(3mks)**

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4.(i) Name the plates of the lithosphere based on plate tectonic theory **(3mks)**

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(ii) State the evidences for the continental drift theory **(2mks)**

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5.a) Name two types of faults associated with faulting. **(2mks)**

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(b) State three effects of faulting on drainage of an area. **(3mks)**

SECTION B

6. Study the data in the below and answer the questions that follow;

Kenya's export crops in 2015 to 2019 (in '000' tones)

Crops \ Year	2015	2016	2017	2018	2019
Tea	40	51	50	57	56
Coffee	33	42	56	49	50
Wheat	26	37	54	44	44
TOTAL	99	130	160	150	150

a) Calculate the mean of Tea from 2015 to 2018 **(2mks)**

b) Apart from tables mention three other methods of data presentation **(4mks)**

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c) (i) Give advantages of using simple bar graphs in presenting data. **(3mks)**

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d) You are planning to carry out a field study in a weather station.

(i) Give four reasons why you would carry out a pre-visit of the area of study. **(4mks)**

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(ii) What are the advantages of preparing a working schedule during the field study? **(4mks)**

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(iii) Outline three follow-up activities you are likely to engage in after the field study. **(3mks)**

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e) State the importance of studying geography using fieldwork **(5mks)**

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7.(a) Differentiate between vulcanicity and volcanicity

(2mks)

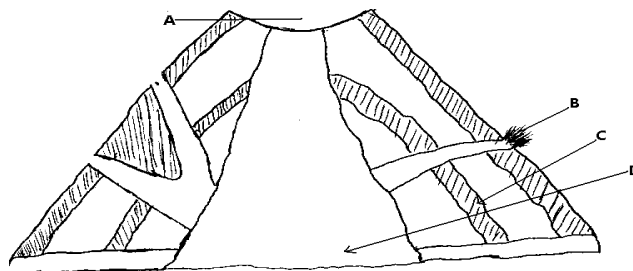
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(b) Apart from the sill, list other intrusive volcanic features

(2mks)

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(c) State the three classifications volcanoes

(6mks)

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d) Use the diagram below to answer the questions that follow.



(i) Identify the type of volcano represented above.

(1mk)

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(ii) Name the parts labelled A, B, C, D,

(2mks)

(iii) Explain how the above volcanic feature is formed.

(4mks)

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(e) Explain four importance of Vulcancity

(8mks)

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8. (a) Define the term 'Earthquake'.

(2mks)

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(b) State 3 causes of earthquakes

(3mks)

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(c) Define the following terms

(6mks)

(i) Seismic focus

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(.) Primary(P) waves and Secondary (S) waves (2mks)

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(2mks)

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(2mks)

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(10mks)

THE END

PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

SCHOOL:

DATE:..... ADM NO: SIGNATURE:.....

TERM 1

HISTORY AND GOVERNMENT (311)

FORM TWO (2)

Time: : 2 HOURS

Instructions to Candidates

- a. This paper consists of **three** sections **A, B** and **C**.
- b. Answer **all** questions in section **A**, **three** from Section **B** and **two** from Section **C**.
- c. Answers to all the questions must be written legibly in the spaces provided.
- (e) **Candidates should check the question paper to ensure that all pages are printed as indicated and no questions are missing**
- (f) **Candidates should answer the questions in English**

SECTION A (25 MARKS)

ANSWER ALL THE QUESTIONS IN THIS SECTION

1. Define the term government (1mk)

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2. Identify two types of monarchical government (2mks)

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3. Give three careers choices that are influenced by the study of History (3mks)

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4.State three disadvantages of relying on Linguistics as a source of information for History and Government (3 mks)

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5.Identify five methods that are used by archaeologists and paleontologists in discovering a historical site.(5mks)

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6.Give two reasons why the earliest mammals lived on trees (2mks)

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7.State three changes that Homo Sapiens underwent as a break off from apes to modern man (3mks)

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8.Identify three species of the Australopithecus (3mks)

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9.Give three reasons why Rock Art was important to the Early man during the Middle stone age (3mks)

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SECTION B (45 MARKS)

ANSWER ANY THREE QUESTIONS FROM THIS SECTION

10. (a) Give five reasons why hunting of wild animals was mainly a group activity during the Stone Age period. (5mks)
- (b) Explain six factors which led to Early Agriculture in Mesopotamia (12mks)
11. (a) State 3 economic activities of the Borana during the pre-colonial period. (3mks)
- (b) Describe the social organization of Agikuyu during the pre-colonial period. (12mks)
12. (a) Identify three documentary sources of information on the early visitors to the east African Coast (3mks)
- (b) Explain six effects of the long distance trade (12mks)
- 13 (a) Identify the three types of trade. (3mks)
- (b) Explain six problems faced by the Trans-Saharan traders. (12mks)

SECTION C (30 MARKS)

ANSWER ANY TWO QUESTIONS

- 14(a) Give three cases that may lead to the revocation of one's citizenship (3mks)
- (b) Explain six civic responsibilities of a Kenyan citizen (12mks)
15. (a) Identify three symbols of national unity (3mks)
- (b) Explain six ways in which education promotes National Unity in Kenya. (5mks)
16. (a) Give three advantages of using railway transport over road transport. (3mks)
- (b) Explain six effects of telecommunication on modern society. (12mks)

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PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

SCHOOL:

DATE:..... ADM NO: SIGNATURE:.....

TERM 1

HOMESCIENCE (441/1)

FORM TWO (2)

Time: 2 Hours

INSTRUCTIONS

- This paper consists of three sections A, B and C.
- Answer **ALL** questions in section A, Question 22 (Compulsory) in B and any **TWO** questions from C.

For Examiners use only.

Section	Question	Maximum Score	Candidates Score
A	1-21	40	
B	22	20	
C		40	
Total		100 marks	

SECTION A (40 MARKS)

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

1.State **two** ways of using old papers in the house. (1mk)

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2.Give **two** advantages of open drainage system. (2mks)

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3. List **two** vectors that cause communicable diseases. (1mk)

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4. Identify **three** qualities of a good drying rack. (3mks)

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5. Identify **two** reasons for turning pockets inside out when washing clothes. (2mks)

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6. List **two** items that should be dried flat during laundry. (1mk)

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7. Identify the following stitches. (1mk)



(a)



(b)

8.Highlight **two** ways of reducing the spread of tuberculosis. (2mks)

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9.Mention **three** ways students make their environment dirty. (3mks)

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10. Differentiate between boiling and steaming. (2mks)

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11. Mention **four** ways one can get worm infestation. (2mks)

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12. A certain garment has the following laundry instructions; Draw symbols to illustrate the instructions. (2mks)

- Do not bleach
- Dry on the hanging line
- Use a cool iron
- Dry clean

13. Identify **two** laundry processes carried out on white cottons and linens that are not carried out on loose coloured clothes. (1mk)

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14. Identify the cooking method illustrated by each of the pictures. (2mks)



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15. Name **two** stitches used in neatening raw edges. (1mk)

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16. Differentiate between the **two** main methods of repairing tears in a garment. (2mks)

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17. State **three** ways of maintaining the colour of white cotton clothes. (3mks)

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18. Name **two** diseases that can be prevented through correct wearing of a face mask. (1mk)

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19. Identify **three** signs of worm infestation in a child. (3mks)

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20. List **four** equipment used in finishing clothes. (2mks)

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21. State **three** qualities of a fabric suitable for making a handkerchief. (3mks)

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SECTION B (20 MARKS)

COMPULSORY

Answer all sections of this question in the spaces provided.

22. You are doing some thorough cleaning after coming from the mid-term break.

a) Explain how you will clean the terrazzo finished corridor outside your classroom.

(7mks)

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b) Describe how you will clean your discoloured white canvas shoes.

(7mks)

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c) Outline the procedure you would follow in laundering your colored cotton /polyester school blouse/shirt that you came wearing from home.

(6mks)

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SECTION C (40 MARKS)

Answer any TWO questions from this section on the space provided after the questions.

Each question should be started on a clean page.

23.

- a) Explain **four** rules to follow in stain removal. (6mks)
- b) Outline **five** processes that can destroy loose coloured clothes during laundry. (5mks)
- c) Giving a reason in each case, state **five** rules to observe when steaming food. (5mks)
- d) Discuss **two** ways that the use of an item affects its laundry process. (4mks)

24.

- a) Identify **four** reasons why you need to sort clothes during laundry. (4mks)
- b) Highlight **four** points to consider when choosing shoes. (6mks)
- c) Mention **four** reasons for repairing clothes. (4mks)
- d) Discuss **four** properties of cotton that make it suitable for making bath towels. (6mks)

25.

- a) Apart from cost, explain **four** other factors to consider when buying a house. (6mks)
- b) Highlight **five** reasons why students should sleep well at night. (5mks)
- c) Outline **four** benefits of good hand hygiene in school going children. (4mks)
- d) Explain **five** challenges one may face living in a dirty and disorganized house. (5mks)

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[illegible]

PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

SCHOOL:

DATE:..... ADM NO: SIGNATURE:.....

Term 1

ISLAMIC RELIGIOUS EDUCATION (314)

FORM TWO (2)

Time: 2 ½ Hours

INSTRUCTIONS:

1. This paper contains five (7) questions.
2. Answer all questions
3. Write your answers in the answer sheet provided.
4. All answers must be in English

1.a) Explain the reasons for not compiling the Qur'an in one volume during the time of the prophet. (7mks)

b) A part from Zaid bin Thabit mention any five other names of the compilers of the Qur'an. (5mks)

2.a) What are the factors that necessitated the collection and compilation of Hadith during the era of scholars. (6mks)

b) Discuss the role of Hadith in molding of the behavior of a Muslim. (5mks)

3.a) Give facts why prophet Muhammad (P.b.u.h) is the last prophet. (7mks)

b) Explain the significance the belief in Qiyama. (8mks)

4.a) Explain any five types of saum. (10mks)

b) Enumerate nullifiers of Saum. (6mks)

5.a) Discuss the rationale behind prophet marriages. (6mks)

b) What are the reasons why Muslims are allowed to practice polygamy. (7mks)

c) Discuss the importance of a Muslim family as a cornerstone of the Muslim society. (5mks)

6.a) Explain why Migration to Madina was termed as a turning point of Islam. (10mks)

b) List the causes of the battle of Badr (4mks)

c) Enumerate the themes of the farewell speech of the prophet. (7mks)

7.Outline the contributions of Sheikh Abdullahi Swaleh Al-Farsy to the growth of Islam in East Africa. (7mks)

PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

JINA:

SHULE:

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

KISWAHILI (102)

MUHULA WA KWANZA

KIDATO CHA PILI

MUDA: 2 ½

Maagizo:

- 1.Jibu maswali yote.
- 2.Majibu yote yaandikwe katika nafasi ulizoachiwa katika karatasi hii ya maswali
- 3.Majibu yote **lazima** yaandikwe kwa lugha ya Kiswahili
- 4.Karatasi hii ina kurasa 9 zilizopigwa chapa
- 5.Watahiniwa ni lazima wahakikishe kuwa kurasa zote za karatasi hii zimepigwa chapa sawasawa na kuwa maswali yote yamo.

Kwa Matumizi ya Mtihani Pekee.

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

1.UFAHAMU

Soma kifungu kifuatacho kisha ujibu maswali yanayofuata.

UFAHAMU.

Tangu Kenya ilipojikomboa kutoka minyororo ya wakoloni yapata miaka 45 iliyopita tumekuwa tukiamini kuwa nchi yetu iko na zaidi ya makabila 40. Lakini ukweli ni kuwa Kenya ni taifa la makabila mawili pekee- Matajiri na wananchi wa kawaida.

Tofauti zetu za lugha, maeneo tunakutoka na utamaduni hazifai kuwa kigezo cha kutugawa katika makabila mbalimbali. Ukabila halisi uko katika vigezo vya kiuchumi, kijamii, kielimu na nafasi tulizo nazo za kuweza kufanikiwa maishani.

Kabila la kwanza ni la wale walio wengi na ndilo wanasiasa na wenzao wanapenda kuliita wananchi wa kawaida. Watu wa kabila la mwananchi wa kawaida huishi kila siku kwa imani wasijue mlouwa kesho utatoka wapi. Kila baada ya miaka mitano huwachagua magavana. wabunge na **wawakilishi wodi** kwa imani kuwa watasaidia kuboresha maisha yao. Lakini baada ya miezi michache wanagundua walidanganyika lakini hawana la kufanya.

Wale wa ‘kabila’ hili hawana sauti. Hakuna anayewasikiza na kilio chao hakina maana yoyote. Wanajitahidi kufanya kazi kama vile kulima, kufuga ama kufanya biashara lakini inapofika ni mauzo, wale wa ‘kabila’ lile lile jingine wanajitokeza na kuchukua mavuno yao. Mfano ni kama inavyofanyika kwa wakulima wa kahawa na chai, ambao licha ya kufanya kazi ya sulubu faida huliwa na wengine.

Watoto wa watu wa kabila hili husoma katika mazingira magumu na ni wachache tu wanaofanikiwa kupata elimu ya juu. Hii inamaanisha umaskini unazunguka katika familia zao kwa sababu hakuna wa **kuwanasua**.

Watu wa ‘kabila’ hili huishi maisha sawa bila kujali wanaongea lugha gani ama wanishi wapi hapa Kenya. Ukosefu wa huduma muhimu ni sawa kwa mkazi wa kieni katika Kaunti ya Nyeri na wenzake wa Karachuonyo katika Kaunti ya Homabay ama Bamba maeneo ya Pwani.

Vijana wa ‘kabila’ hili hawana kazi hata kama wamezaliwa Kakamega ama Ishiara. Wanapomaliza masomo wanabaki vijijini bila la kufanya ama wanaingia mijini wanakojiunga na makundi haramu ama magenge ya wahalifu na kazi yao inakuwa ni kuwindana na polisi.

Kabila lingine ni lile la matajiri hasa wanasiasa na wenzao. Wale wa ‘kabila’ hile wanaishi katika mitaa ya kifahari, wanaendesha magari makubwa makubwa, mishahara yao haitozwi ushuru na ndio wanaomiliki biashara kubwa kubwa.

Hili ni ‘kabila’ la watu walio weledi katika kukwepa ushuru na kutekeleza ufisadi wa hali ya juu unaowalelea mabilioni ya pesa ambazo hawajafanyia kazi. Hili kabila la kupe ambao kazi yao ni kunyonya damu ya wale wa ‘kabila’ la mwananchi wa kawaida. Wakenya wanafaa kuamka kutoka kwenye usingizi wa pono na kufahamu kuwa kwa miaka mingi wamekuwa wakidanganywa hasa na wanasiasa ambao wamekuwa wakiwatumia kujinufaisha wao binafsi. Wapiga siasa hawa wamegundua kuwa wakitugawanya katika makabila madogo wataweza kuafikia kila wanaloliwaza sio kwa manufaa ya mwananchi wa kawaida, bali wao wenyewe.

‘Kabila’ hili ndilo lililofadhili na kuwachochea wakenya kupigana kwa imani kuwa mtu wa kabila lao akiwa madarakani matatizo yao yatakuwa yamefikia kikomo. Wakati ‘kabila’ la wengi lilipokuwa likipigana, kuuana, kuchoma mali na kufanya maovu ya kila aina, ‘kabila’ lile jingine lilikuwa likitazama kwa tabasamu kwa kuona jinsi ‘kabila’ la wananchi wa kawaida lilivyo na wajinga wengi.

Baadaye ‘kabila’ la wachache lilielewana kuhusu jinsi ya kugawana madaraka ya wao kwa wao. Walio wengi hawakupata hata punje moja la mapochopocho ya taifa letu. Walio wachache walibuni nyadhifa za kila aina ili kukidhi mahitaji yao. Nao wananchi wa kawaida wakaambiwa kuwa nyadhifa hizo ni za makabila yao. Lakini swali ni je, kweli ‘kabila’ la walio wengi linanufaika kwa vyovyote. La hashu.

Kabila la walio wachache lilibuni njia za kupora mali ya taifa na wao kwa wao wakatekeleza hila hizo. Moja ya kashfa hizo ni ile ya mahindi ambapo kutokana na ulafi wa ‘kabila’ la wachache, bei ya unga ilipanda maradufu, kwa muda walijifanya kujali na hata kukatangazwa kuwa bei ingethibitiwa, lakini hayo yakawekwa katika kaburi la sahu.

Kabila la wachache ndilo linalodaiwa kudhamini makundi haramu nchini kwa manufaa yao wenyewe. Wanaweka makundi haya kuweza kuyatumia iwapo yatafaa. Lakini wanaoumia ni wale wa ‘kabila’ la walio wengi ambao wanahangaishwa na makundi haya kila uchao.

Wakenya wanafaa kugundua kuwa wamekuwa chini ya utumwa wa watu wakitumia mbinu dhalimu hata kuliko wakoloni. Wagundue kuwa taifa hili lina makabila mawili peke yake na wala sio 42 vile tunavyoelezwa. Wakumbuke kuwa kabila la wachache hawajali wanakula nini, wanavaa nini ama wanalala wapi.

Maswali

a. Ipe taarifa hii anwani mwafaka

(alm1)

b. Uhalisia wa kugawanyika kwa wananchi katika karne hii ungekuwa katika vigezo vipi

(alm2)

c. Maisha ya kabila la walalahai na ya walalahoi yanatofautiana kama ardhi na mbingu. Toa idhibati . (alm4)

d. Kwa nini mwandishi alilichukua kabila la walalahoi kama ndilo la wajinga

(alm1)

e. Kuna ushahidi gani kuonyesha kuwa kabila la walalahai si tofauti na waliokuwa mabeberu wetu? (alm2)

f. Unadhani kabila la walio wengi wangetumia mbinu gani kupambana na udhalimu wanaofanyiwa? (alm1)

g. Onyesha matatizo ya maskini yanayopuuzwa na 'kabila' la matajiri

(alm2)

h. Eleza maana ya msamiati ufuatao kama ulivyotumika katika ufahamu

(alm2)

i.wawakilishi wodi

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ii.kuwanasua

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MATUMIZI YA LUGHA

a. Eleza tofauti kati ya sauti

(alm2)

i)/o/ na /u/

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ii) /s/ na /z/

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b) Andika neno lenye silabi mbili za irabu.

(alm1)

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c) Tambua kiambishi awali na tamati katika neno; alaye

(alm3)

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d) Ainisha vivumishi katika sentensi hii: Wanafunzi wenyewe ni hodari na wamepewa zawadi tele. **(alm3)**

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e) Onyesha maumbo matatu mbalimbali ya nomino katika ngeli ya (A – WA)

(alm3)

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f) Andika upya kwa wakati uliopita hali timilifu **(alm2)**

Alijifunza kuendesha gari

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g) Tumia neno ‘haya’ katika sentensi kama **(alm3)**

i) kiwakilishi

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ii) nomino

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iii) kivumishi

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h) Kanusha kwa udogo **(alm2)**

Gari lake limeegeshwa chini ya mti

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i) Tunga sentensi moja kuonyesha matumizi mawili ya ritifaa **(alm2)**

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j) Andika sentensi ifuatayo upya ukitumia ‘o’ rejeshi tamati **(alm2)**

Maandamano yanayoandaliwa si yale unayotarajia

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k) i) kirai ni nini? **(alm1)**

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ii) Tunga sentensi moja na uonyeshe kirai nomino na kirai kielezi **(alm2)**

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l) Changanua sentensi hii kwa njia ya mistari

(alm4)

Wote watatu walipatikana chini ya mti mkubwa

m) Halmashauri ni kwa wakurugenzi ,..... ni kwa lesa na ni kwa askari. **(alm2)**

n) Andika katika umoja: Masaibu yaliyowapata yaliwafanya wapoteze matumaini **(alm2)**

o) Andika sentensi ifuatayo katika usemi halisi. **(alm2)**

Mwalimu alishangaa kuwa hatukuwa tumemaliza zoezi lake.

p) Tunga sentensi kufafanua maana ya nahau ‘pasua mbarika’ **(alm2)**

q) Andika kinyume cha: Mama alinisifu mbele ya duka **(alm2)**

ISIMUJAMII (ALAMA 10)

‘..Maandiko yanasema kuwa heri walio maskini kwa maana ufalme wa mbinguni ni wao

a. Tambua sajili hii **(alm2)**

b. Fafanua sifa zozote nane ambazo huweza kupatikana katika sajili hii. **(alm8)**

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SEHEMU YA B: FASIHI SIMULIZI

(ALAMA 15)

Soma kifungu kifuatacho kisha ujibu maswali

Sungura alivyokwepa kuliwa na simba

Wanyama wa pori waliamua siku moja kumtuma mnyama mmoja kila siku alikoishi simba kama chakula. Siku moja ilikuwa zamu ya sungura kwenda huko. Sungura alikuwa mjanja sana. Alipanga mpango mzuri wa kumwangamiza simba. Alienda alikoishi simba muda mrefu baada ya muda wa chakula wa simba.

Alimkuta simba akiwa na hasira kubwa sana.

“Kwa nini umechelewa jinsi hii?” aliuliza kwa hasira. “Bwana wee,” alisema sungura kwa sauti ya upole. “Nilichelewa kwa sababu simba mwingine alinikimbiza. Nilitaabika sana kabla ya kupata upenyu wa kutoroka.” Simba mwingine? Je, katika pori hili? aliuliza simba. “Ndiyo bwana mkubwa. Najua anakoishi. Tuandamane nikakuonyeshe,” alisema sungura. Simba alijitayarisha kuandamana na sungura. Sungura aliongoza njia hadi walipofika mahali palipokuwa na kisima kikubwa. Sungura alimgeukia na kusema, “Anaishi hapa. Tafadhali njoo umuone!” Simba alisogea ulipokuwa ukingo wa kile kisima. Aliyatupa macho huko na kukiona kivuli chake. Alidhani kuwa huyo alikuwa simba mwingine. Kwa hasira kubwa alifungua kinywa na kunguruma. Alimwona huyo simba mwingine akikenulia meno. Simba hakuweza kusubiri, alijitosa kisimani apambane na simba huyo. Huo ulikuwa mwisho wake. Sungura aliondoka akicheka akifurahi kuwa sasa wanyama hawataliwa tena na simba

Maswali

a.i) Tambua aina ya hadithi hii **(Alm1)**

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ii. Taja sifa tatu za kutambulisha aina hii ya hadithi **(Alm3)**

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iii. Fafanua umuhimu tatu wa aina hii ya hadithi kwa jamii **(Alm3)**

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b. Kwa kutoa mifano taja aina mbili za fomyula za kutambia hadithi: **(Alm4)**

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c.Eleza sifa nne za mtambaji bora wa hadithi hii. **(Alm4)**

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PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

SCHOOL:

DATE:..... ADM NO: SIGNATURE:.....

Term 1

MATHEMATICS (121)

FORM TWO (2)

Time: 2 ½ Hours

Instructions to candidates

1. Write your name, admission no. and class in the spaces provided.
2. Sign and write the date of examination in the spaces provided above
3. The paper contains two sections; Section I and II.
4. Answer all questions in Section I and II
5. All answers and working must be written on the question paper in the spaces provided below each question.
6. **Show all the steps in your calculations, giving your answers at each stage in the spaces provided below each question**
7. KNEC Mathematical tables may be used, except where stated otherwise
8. Silent or non-programmable calculators **SHOULD NOT** be used

1.Evaluate

$$\frac{\frac{1}{2} \text{ of } 18 \div (-3) + 2\frac{1}{2} \times -\frac{3}{5}}{\frac{1}{2} + 3\frac{3}{4} \div \frac{3}{4}}$$

(3mks)

2.Solve the following without using a mathematical table or a calculator

$$\begin{array}{r} \sqrt{3600} \\ \hline \sqrt[3]{27000} \end{array}$$

(3mks)

3.The G.C.D of three numbers is 30 and their L.C.M is 900. Two of the numbers are 60 and 150. What are the other possible number? (4mks)

4. Use logarithm tables to solve

$$\frac{(79.36)^3}{8.2 \times (9.2)^2}$$

(4mks)

5. The ratio of the area of two circles is $\frac{16}{9}$

I. Find the ratio of their radii

(2mks)

II. If the larger circle has a radius of 20cm, find the radius of the smaller one

(2mks)

6. Use the exchange rates below to answer this question

	Buying	Selling
1 US DOLLAR	63.00	63.20
1 UK £	125.30	125.95

A tourist arrived in Kenya from Britain had 9600 UK Sterling Pounds (£). He converted the pounds to Kenya shillings. While in Kenya he spent $\frac{3}{4}$ of his money. He changed the balance to US dollars after his stay.

Calculate to the nearest US dollars the amount he received.

(3mks)

7. Use reciprocal table to evaluate:

$$\frac{1}{0.0125} + \frac{1}{12.5}$$

(3mks)

8. The interior angles of a hexagon are $(4x-5)^\circ$, $(4x+5)^\circ$, $3x$, $(5x+26)^\circ$, $2x^\circ$ and $(2x+4)^\circ$. Find the value of X

(3mks)

9. A line which joins point A (3, K) and B (-2, 5) is parallel to another line whose equation is $5y+2x=10$. Find the value of K.

(3mks)

10. Two years ago Jane was twice as older as John 17 the sum of their ages 5 years from now will be 44years
.Calculate their present ages (3mks)

11. Convert 0.83 into fraction (3mks)

12.Solve for X:
 $32^{(x-3)} \times 8^{(x+4)} = 64 \div 2^x$ (3mks)

13. The length of a hand of a clock is 7cm . Find the angle of turns if it sweeps an area of 48cm^2 . (3mks)

14. Simplify

$$\frac{ra+rb}{ma+mb}$$

(2mks)

15. Evaluate

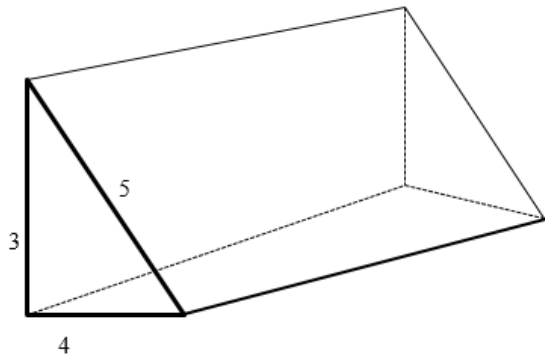
$$\frac{a^b - b^a}{b^b \times a}$$

if $a = 2$ and $b = -2$

(3mks)

16. Draw the net of the figure below

(3mks)



SECTION B

Instructions: Answer all five questions from this section

17. Five members of SILK a self-supporting enterprise Jane, Jepchoge, Esther, Mama Charo and Chepkoech were given a certain amount to share amongst themselves. Jane got $\frac{3}{8}$ of the amount given while Jepchoge got $\frac{2}{5}$ of the remainder. The remaining amount was shared equally among Esther, Mama Charo and Chepkoech each of which received Kshs 6000.

(a) How much was shared among the five business women **(3mks)**

(b) How much did Jepchoge Get? **(2mks)**

(c) Jane, Jepchoge and Chepkoech invested their money and earned profit of Kshs 12,000. A third of the profit was left to maintain business and the rest was shared according to their investments .Find how much each got. **(5mks)**

18. Nafula broke three beakers and four test tube and Munyao broke 2 beakers and 5 test tube during a practical lesson in the laboratory. If Nafula was charged Ksh 560 and Munyao Kshs 490, for the breakages:

a)(i) Form the two simultaneous equations

(2mks)

(ii) Use the above equations to find the cost of one beaker and one test tube

(3mks)

(b) Solve the following simultaneous equations

(i) $\frac{1}{4}x + y = 2\frac{1}{4}$

$$\frac{1}{2}y - \frac{1}{4}x = 3\frac{3}{4}$$

(3mks)

(ii) $3t = s$

$$t + 2s = 5$$

(2mks)

19. Construct triangle ABC, where $BC=8\text{cm}$ and angle $ABC=105^\circ$ and angle $BCA =45^\circ$.

(3mks)

(ii) Drop a perpendicular from A to meet line BC at P.

(1mk)

(iii) Measure the followings:

(a) Lines AB and AC

(2mks)

(b) Line AP (the perpendicular line)

(1mk)

(c) Measure angle BAC

(1mk)

(d) Calculate the area of the triangle ABC

(2mks)

20(a) The volume of water in a measuring cylinder is 200cm^3 . When the cube is immersed into the water, the cylinder reading is 543cm^3 . Find:

(i) The volume of the cube (3mks)

(ii) The length of the side of the cube (2mks)

(b) A metallic cuboid measuring 16cm by 8cm by 4cm was melted. The material was then used to make a cube. Calculate:

(i) The volume of the cuboid (2mks)

(ii) The length of one side of the cube formed from the cuboid (3mks)

21. A Line L passes through point $(-2, 3)$ and $(-1, 6)$ and perpendicular to a line P at $(-1, 6)$.

(a) Find the equation of L. (2mks)

(b) Find the equation of P in form of $ax+by=c$, where a, b, and c are constants.

(2mks)

(c) Given that another line Q is parallel to L and passes through point (1, 2). Find the x and y intercept. **(3mks)**

(d) Find the point of intersection of lines P and Q.

(3mks)

PROGRESSIVE STUDENTS FORM 2 END TERM 1 SERIES 1 EXAMS

NAME:

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Term 1

PHYSICS (232)

FORM TWO (2)

Time: 2 Hours

Instructions to Candidates

- Write your name, admission number, class and signature in the spaces provided at the top of the page. This paper consists of two sections; **A** and **B**.
- Answer **ALL** the questions in the spaces provided.
- Mathematical tables and electronic calculator may be used.
- All working **MUST** be clearly shown.
- This paper consists of **14** printed pages.
- Candidates should answer the questions in English and check to ensure that no question(s) is missing.

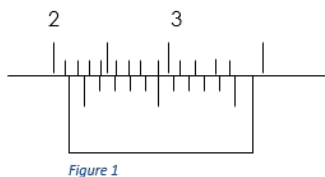
FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1 – 13	25	
	14	12	
	15	11	
	16	11	
	17	12	
	18	09	
TOTAL SCORE		80	

SECTION A (25 MARKS)

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

1. The Figure 1 below shows part of a scale of vernier calipers. What is the reading indicated by the scale? **(2mks)**



2. State and explain what would happen to a section of an umbrella which is smeared with a soap during rainy season. **(2mks)**

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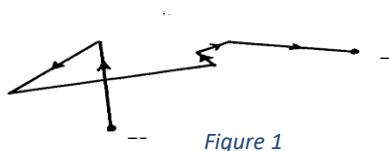
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3. The figure 2 below shows a path taken by a gas molecule moving from point x to z



- (a) Explain how this movement can be observed **(1mk)**

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- (b) State in full, the THEORY OF PHYSICS that governs movement from x to z **(1mk)**

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4. A crystal of potassium permanganate was carefully introduced at the bottom of water column held in a gas jar. After some time, the whole volume of water was colored. Explain this observation. **(2mks)**

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5. An empty density bottle weighs 25g when empty and 65g when full of a liquid of density 800kg/m^3 .
Determine the volume of the bottle. (3mks)
6. A stop watch started 0.5s after the start button was pressed. The time recorded using the stopwatch for a ball falling through a liquid was 2.53s. Determine the time of fall. (1mk)
7. **Figure 3** below shows two pith balls A and B hanging from nylon threads and brought close to negatively charged rod. Pith ball A is uncharged while B is charged.

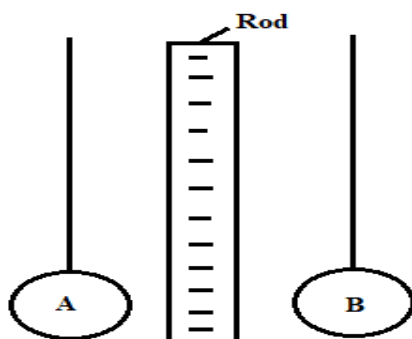


Figure 2

It is observed that both pith balls A and B are attracted to the charged rod.

- i) State the charge on B (1mk)

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- ii) Explain the reason why pith ball A is attracted (1mk)

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iii) Show the charge distribution on the pith balls

(1mk)

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8. A boy opened up a used-up dry cell and found the following:

i) The zinc casing was 'eaten away'

ii) The cell was watery

Name the cell defect in (i)

(1mk)

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9.State why braking systems use liquid and not gases.

(1mk)

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10. Mercury –in-glass barometer shows a height of 70 cm. What height would be shown in the barometer at the same place if water density $1.0 \times 10^3 \text{kg/m}^3$ is used. (Density of mercury = 13600kgm^{-3})

(3mks)

11. State the reason why thermal conductivity of a metal increases with the increase in the cross-section area of the conductor?

(1mk)

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12. Two plane mirrors are inclined at an angle of 30° to each other. Determine the number images formed. (3mks)

13. Aquatic animals are observed to survive in frozen ponds. Explain this observation. (1mk)
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SECTION B (55 MARKS)

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

14. a) In the experimental set up shown in figure 4 below, the ice remains in the solid state for several minutes as heating progressed.

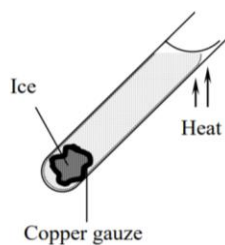


Figure 3

- i) What is the purpose of the gauze? (1mk)
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- ii) Explain why ice takes long to melt (1mk)
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- b) State two ways in which a mercury-based thermometer can be modified to read very small temperature changes. (2mks)
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-
-

- c) Explain how a vacuum flask minimizes heat loss through; (3mks)
- I. Conduction
-
-

- II. Radiation
-
-

III. Convection

- d) Give two reasons to prove that heat does not reach the earth surface through convection mode of heat transfer. (2mks)

- e) Give three reasons why car radiator has several thin blackened copper fins (3mks)

15. a) Explain why water is not applicable as a thermometric liquid. (2mks)

- b) In the set up shown in figure 5 below, it is observed that the level of the water initially drops before starting to rise. Explain this observation. (2mks)

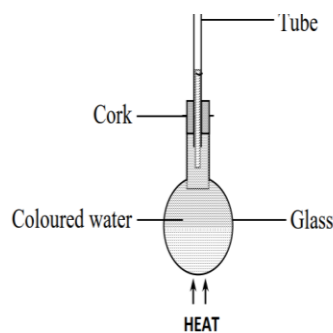


Figure 4

c) in an experiment to investigate the unusual behavior of water, a fixed mass of water at 0°C was heated until its temperature reached 10°C . Sketch a graph of density against temperature of water from 0°C to 10°C . **(2mks)**

d) Differentiate between heat and temperature **(2mks)**

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e) Alcohol thermometers are not suitable to measure temperatures above 80°C .

Explain. **(1mk)**

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16. a) State the law of magnetism **(1mk)**

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b) In a laboratory session, students were provided with two bar magnets and a magnetic material of similar size with the magnets. One bar magnet was clearly labelled as a magnet with the north and south pole indicated. Briefly explain how the student could identify the other from the magnetic material. **(2mks)**

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- c) A permanent magnet was suspended next to a solenoid in which an electric current flow as shown in figure 6 below

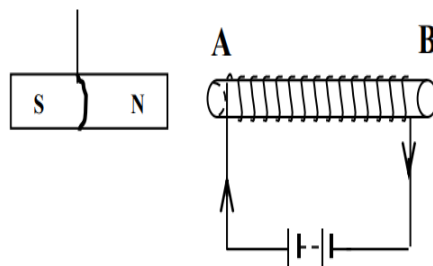


Figure 5

State and explain the observation made in this set up when the switch was closed.

(2mks)

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- d) In a laboratory, there are four metals: tin, nickel, copper and cobalt. Of these materials, name the metals that;

I. Magnetic

(2mks)

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II. Nonmagnetic

(2mks)

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- f) A watch made of circular ring on top has the minute and hour hands made of magnetic material. Explain why the hands are not affected when the watch is placed in a magnetic field.

(2mks)

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- 17.a) In an experiment to determine the size of an oil molecule, oil was placed on the surface of water after sprinkling lycopodium powder on it.

I. State the function of lycopodium powder

(1mk)

II. State any assumptions made in the experiment

(2mks)

III. Explain why the oil spreads on the water surface

(1mk)

b) The following data was obtained from an experiment to determine the size of an oil molecule.

$$\text{Volume of 100 drops of oil} = 15.0\text{mm}^3$$

$$\text{Area of patch formed} = 8.0 \times 10^4\text{mm}^2$$

Determine the size of the molecule

(2mks)

c) The figure 7 below shows a micrometer screw gauge used by a student to measure the thickness of her hair.

If it has a zero error of +0.04mm, what is the actual thickness of the hair?

(3mks)

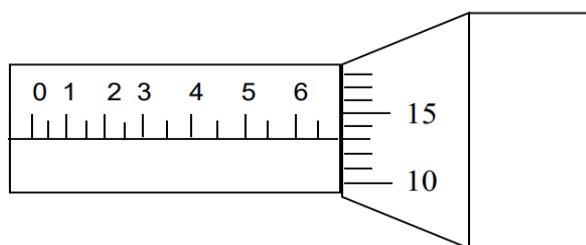


Figure 6

- d) Describe how the knowledge of the oil drop experiment may be used to estimate the area of oil spillage from a ship at sea. (3mks)

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- 18.a) Define moment of a force and state its S.I units. (2mks)

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- b) State the principle of moments (1mk)

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- c) The figure 8 below shows a uniform meter rule of negligible weight balanced between two forces of 20N and F_1 as shown in the figure.

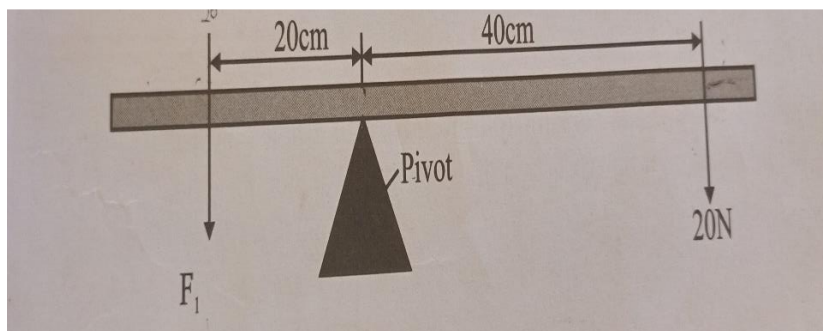


Figure 7

- Determine the magnitude of F_1 (3mks)

d) State two factors that affect the turning effect of force on a body

(2mks)

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e) The stability of a body can be increased by increasing the base area and lowering its centre of gravity. State one way of lowering its centre of gravity. (1mk)

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END.

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