PROGRESSIVE STUDENTS F2 END TERM 3 SERIES 1 EXAMS *(14 SUBJECTS TESTED)*



PROGRESSIVE STUDENTS
FORM TWO
END TERM 3 SERIES 1 EXAMS

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For Marking Schemes

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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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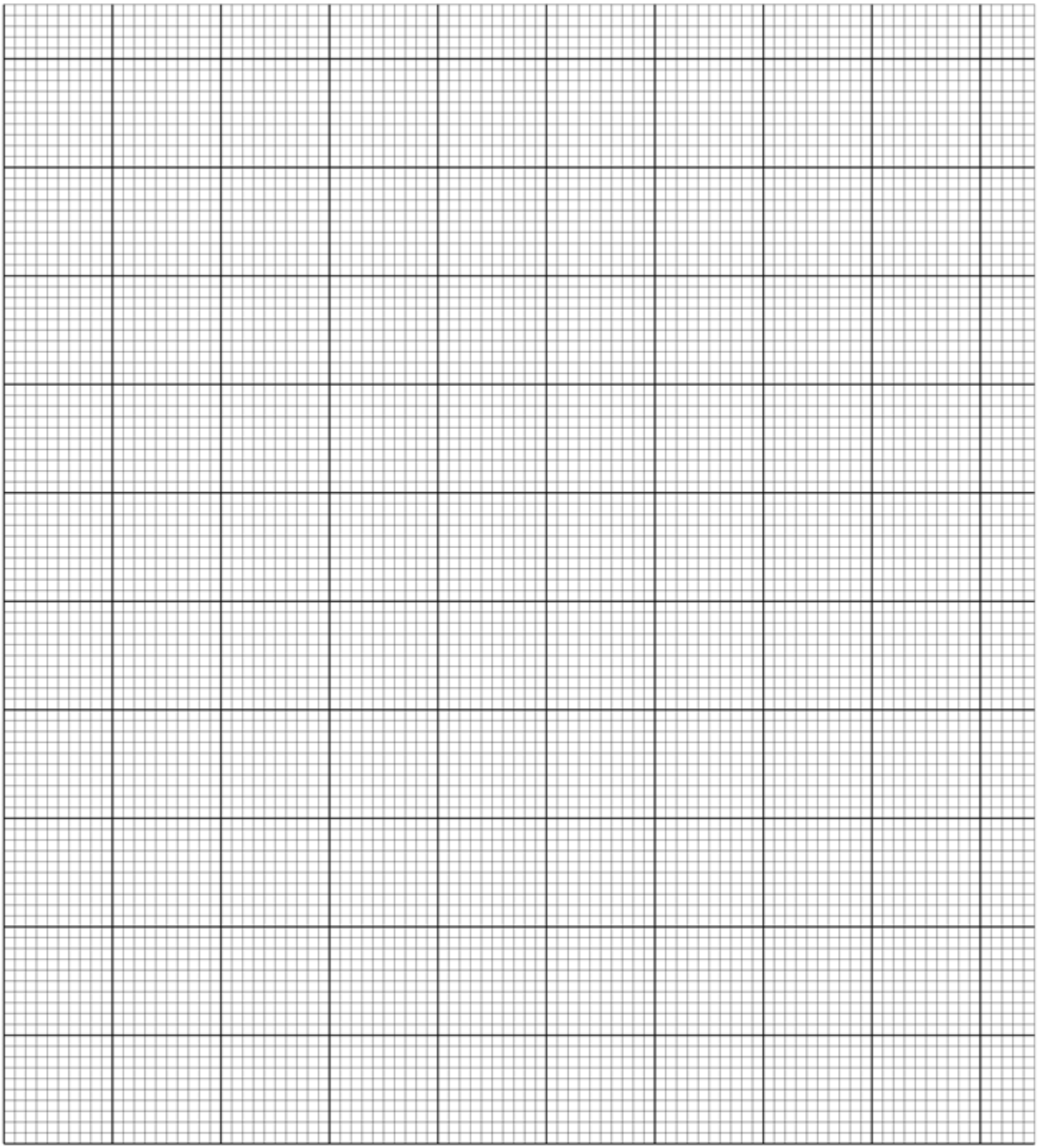
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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

Term 3
AGRICULTURE
FORM 2
Time: 2 Hours

Instructions to Candidates

- Write your **name, index number** in the spaces provided.
- This paper has three sections A, B and C.
- Answer **all** the questions in section **A** and **B and C** in the spaces provided.

For Examiner's Use Only

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1 – 17	30	
B	18 – 23	30	
	24	20	
	25	20	
	Total Score	100	

SECTION A (30 MARKS)

Answer All the Questions in This Section in the Spaces Provided

1. State **two** biotic factors that are useful in agricultural production. **(1mk)**

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2. Give **four** reasons why it is important to stake tomatoes. **(2mks)**

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3. Give **four** signs that could enable a farmer to identify compost manure that is ready **(2mks)**

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4. List **four** farming practices that may help to achieve minimum tillage on a farm. **(2mks)**

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5. Give **four** reasons why seed selection is important in the establishment of crops**.** **(2mks)**

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6. Give **four** reasons for keeping breeding records in a dairy farm. **(2mks)**

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7. State **two** characteristics of shifting cultivation. **(1mk)**

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8. State **four** factors that determine spacing of crop. **(2mks)**

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9. Differentiate between olericulture and pomoculture as used in crop production. **(1mk)**

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10. State **two** characteristics of a large scale farming system. **(2mks)**

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11. State **two** physical agents of weathering. **(1mk)**

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12. Define the following terms. **(3mks)**

(a) Under sowing

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(b) Over-sowing

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c) Ammonification

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13. State **four** factors which determine soil depth. **(2mks)**

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14. State **four** benefits of soil organisms in crop growth. **(2mks)**

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15. State **two** conditions under which opportunity cost is zero**.** **(1mk)**

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16. State **four** reasons for mulching. **(2mks)**

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17. Give the function of each of the following in the preparation of compost manure. **(2mks)**

a) Top soil

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b) Well rotten manure

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c) A thin layer of wood ash

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d) Long pointed stick

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SECTION B 30 MARKS

18. The pictures below show some of the farm tools, observe them and answer the questions that follow



W



D



Y



Z

(a) Identify each of the tools shown above **(4mks)**

W……

D……..

Y……..

Z……..

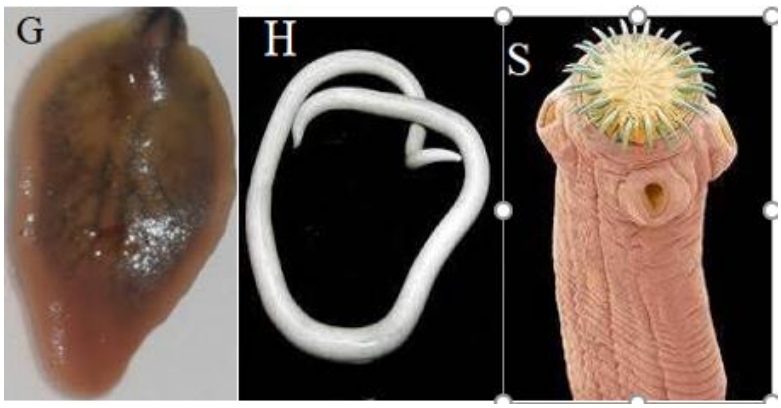
(b) State the use of the tool labeled Z and W **(1mks)**

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19. The diagrams labeled G, H, and S below illustrates three livestock parasites. Study them and answer the questions that follow:



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a) Identify the parasites: **(1½mks)**

G……

H……

S……

b) State the category to which the three parasites G, H, and S belong to. **(1mk)**

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c) Name the parts of organs of the host body where parasites G and S are found respectively. **(1mk)**

G……

S……

d) State any **three** control measures of the parasite G. **(1½ mks)**

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20 A farmer wants to prepare a ration for layers containing 18% DCP. Using maize germ 20% DCP and a wheat grain 10% DCP

(a). Calculate using peason's square method the amount of each food stuff needed in order to prepare 100kg of feeds. **(4mks)**

(b) State any other method used in computation of food ratio. **(1mk)**

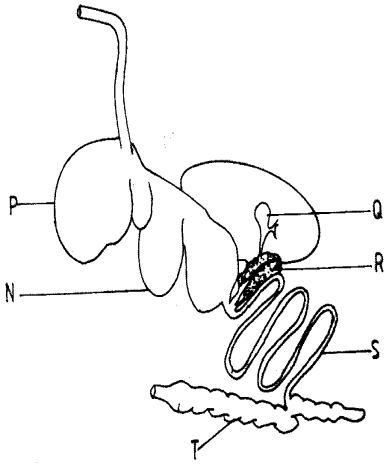
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21. The diagram below shows the digestive system of cattle. Study it and answer the questions that follow.



a). Name the parts labelled N, P and Q.

N..... **(1mk)**

P..... **(1mk)**

b). State one function for each of the parts labelled **S** and **T**.

S..... **(1mk)**

T..... **(1mk)**

c). Give one enzyme produced by each of the parts labelled **R** and **S.**

R..... **(1/2mks)**

S..... **(1/2mks)**

22. The diagram below shows a field management practice carried out on a fruit crop. Study it carefully and answer the question that follow.



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a) Identify the practice **(1mk)**

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b) Give **two** reasons for carrying out the above practice. **(2mks)**

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c) State **three** reasons for storing beans after harvesting. **(3mks)**

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23. Describe five principles of crop rotation. **(5mks)**

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SECTION C 40 MARKS

24. (a) Describe the production of tomatoes (Lycoperscon escalentum)

(i) Ecological requirements. **(3mks)**

(ii) Transplanting **(3mks)**

(iii) Field management practices **(4mks)**

(b) Explain four practices of maintaining soil fertility. **(3mks)**

(c) Describe the lifecycle of a three host tick. **(7mks)**

25. (a) Outline **four** effects of endo-parasites to the host animals **(4mks)**

(b) Give six precautions observed in pruning mature tea **(6mks)**

(c) Describe the procedure followed when collecting a soil sample form the field for testing in the laboratory **(6mks)**

(d) Outline four advantages of intercropping crops **(4mks)**

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END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

Term 3
BIOLOGY
FORM TWO
Time: 2 Hours

INSTRUCTIONS TO CANDIDATES

(a) Write your name, admission 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

Max Score	Student's Score
80	

1. (a) State the **two** functions of a microscope. **(2mks)**

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(b) State the role of state of a light microscope. **(1mk)**

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2. In old times, farmers used to kill large trees by peeling the bark. Explain the concept. **(2mks)**

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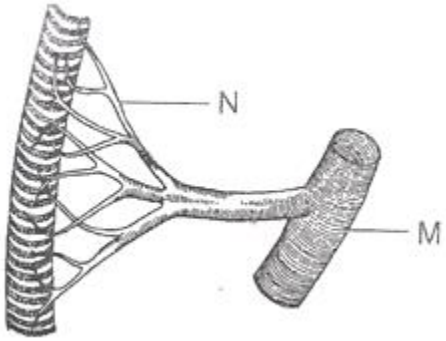
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3. The diagram below shows a respiratory organ. Use it to answer the questions that follows.



(a) Identify the part labeled **M**. **(1mk)**

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(b) How is the part labeled **N** adapted to its function? **(3mks)**

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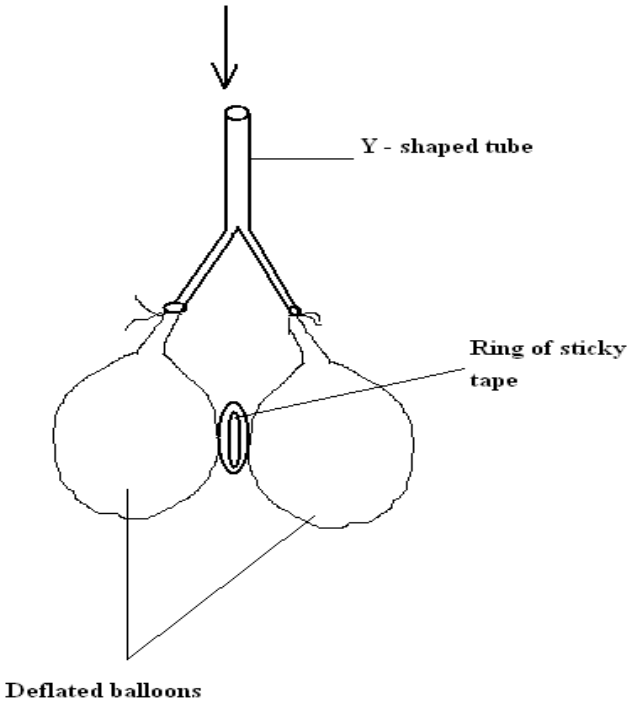
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4. The model of balloons below was used to demonstrate a certain process in plants.



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(a) What does the following parts represent in the plant:

(i) Balloons **(1mk)**

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(ii) Ring of sticky tape **(1mk)**

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(b) Explain what happen when air is blown into the two balloons through the open end of the Y – tube? **(3mks)**

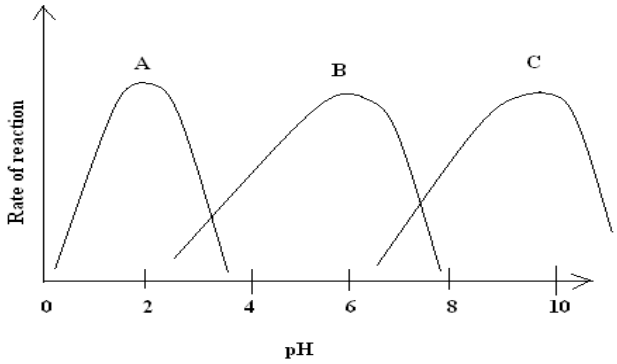
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5. The graphs below shows reactions of enzymes in different parts of the alimentary canal.



Give appropriate examples of enzymes represented by **(3mks)**

A: .....

B: .....

C: .....

6. Name the compounds that are translocated in phloem. **(2mks)**

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7. (a) Name the common circulatory system diseases in humans which are diet related. **(2mks)**

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(b) What does the term myogenic means. **(1mk)**

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8. Below is a diagram representing a section of a mammalian digestive system. study the diagram and answer the questions that follow.

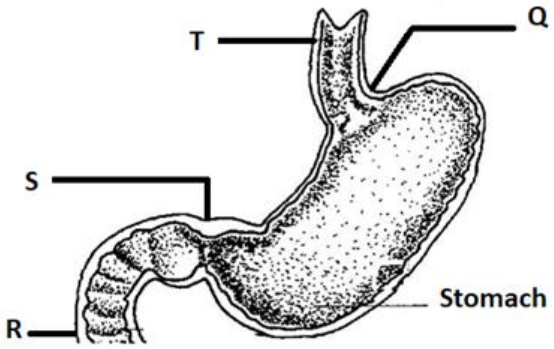


Figure 2: Above

(a) Identify parts labeled **Q** and **S**. **(2mks)**

Q……

S ……

(b) Name **two** major components secreted into part labeled **R**. **(2mks)**

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9. (a) Distinguish between excretion and secretion. **(1mk)**

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(b) Why does anaerobic respiration of a given substrate yield a smaller amount of energy than aerobic respiration? **(2mks)**

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10. Explain why blood leaving the lungs may not be fully oxygenated. **(3mks)**

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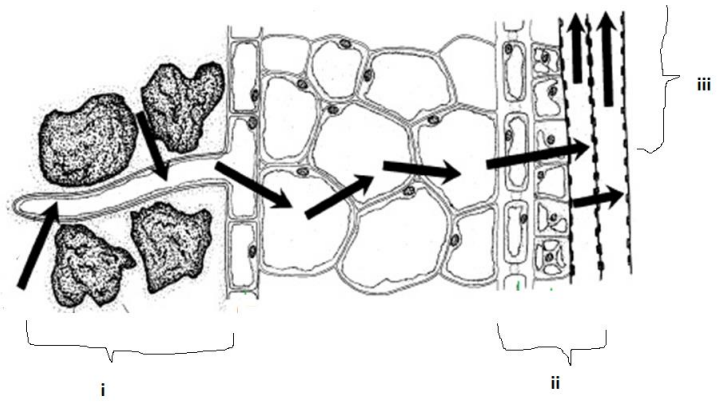
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11. The sketch below represents the path taken by water from soil solution on its way to the leaves.



Name the physiological process responsible for movement of water in region labelled (i) and (ii) and force(s) responsible in region (iii):

(i) ..... **(1mk)**

(ii) ..... **(1mk)**

(iii) ..... **(1mk)**

12. Apart from urea, name three other components of mammalian urine. **(3mks)**

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13. State **three** adaptations of red blood cells to their function. **(3mks)**

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14. (a) A dog weighing 15.2 kg requires 216 kj while a mouse weighing 50g requires 2736 kj per day. Explain. **(2mks)**

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15. State **two** immunological roles of mammalian skin. **(2mks)**

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16. Explain why a person can catch a cold several times in an year but only catches measles once in his or her lifetime. **(3mks)**

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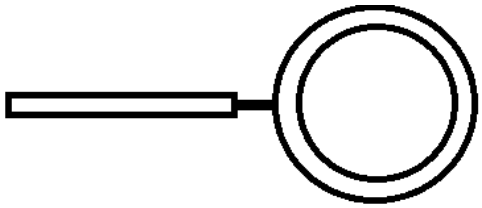
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17. Identify the apparatus shown below and state its functions. **(2mks)**



Name……

Role ……

18. a) What is the role of epiglottis in human digestion. **(1mk)**

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(b) Write an equation to summarize the anaerobic respiration in plants. **(1mk)**

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19. (a) Explain why proteins are absent in the urine of a healthy person. **(2mks)**

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(b) Give the term used to describe the presence of protein in urine. **(1mk)**

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20. Why does the rate of transpiration reduce when humidity is high? **(2mks)**

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21. What is the role of epiglottis in human digestion. **(1mk)**

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22. Name **two** chemical solutions used in the proteins test in the order of application. **(2mks)**

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(b.) What happens to erector pili muscles on a hot day. **(1mk)**

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23. (a) What is the plural version of the following terms written in singular:

Singular	**Plural**	
Taxon	……..	**(1mk)**
Genus	……	**(1mk)**

(b) State **two** precautions that one should observe when collecting specimen for biological study. **(2mks)**

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24. State **two** rules of binomial nomenclature. **(2mks)**

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25. Name the fluid that perform the following.

i. Reduce friction and make the lungs move freely in the chest cavity**.** **(1mk)**

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ii. Prevent collapsing of alveoli during exhalation. **(1mk)**

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26. Define the following terms:

(a) Gaseous exchange. **(1mk)**

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(b) Excretion. **(1mk)**

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27. Give **two** reasons why some plants lose their leaves during the dry season. **(2mks)**

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28 (a) Name the valve that prevents the back-flow of blood to the left ventricle during relaxation. **(1mk)**

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(b) Name the products of glycolysis. **(2mks)**

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29. Name three antigens that determines blood group in human. **(3mks)**

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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

BUSINESS STUDIES

FORM 2

TERM 3

TIME:2 HOURS

INSTRUCTIONS TO CANDIDATES:

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

ii. Answer **ALL** the questions.

iii. Candidates should check to ascertain that all pages are printed and that no questions are missing.

For Examiner's Use Only:

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

QUESTION	15	16	17	18	19
MARKS					

TOTAL MARKS

1. Outline 4 benefits of learning business studies to an individual. **(4Mks)**

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2. Outline four elements of demographic environment that may affect the operations of a business. **(4Mks)**

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3. Outline **four** features of economic resources. **(4mks)**

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4. Outline four benefits of entrepreneurship in the economy. **(4mks)**

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5. State the line of communication involved in each of the following situations. **(4mks)**

a) The manager of Casio company Ltd talking to the manager of Sony company Ltd.

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b) A secretary asking for time off from her boss.

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c) The production manager giving instructions to the secretary of the sales manager.

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d) The ministry of Education sending a circular to school on change of term dates.

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6. Atoti owns a motor vehicle valued at Sh. 1,000,000. She insured the car at Sh. 300,000. The motor vehicle was involved in an accident and declared a write off. Calculate the amount Atoti should get from the insurer.**(4mks)**

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7. Indicate the rewards associated with each of the factors of production in the table below. **(4Mks)**

	Factor of production	Rewards
(a)	Lake	
(b)	Driver	
(c)	Shareholder	
(d)	Tractor	

8. State **four** ways of classifying partners in business enterprises. **(4mks)**

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9. Highlight **four** features of a bonded warehouse. **(4Mks)**

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10. Indicate the type of advertising which fits the descriptions given below. **(4Mks)**

a) Create awareness about a product ……

b) Promotes the name of the manufacturer ……...

c) Persuades a particular brand of a product ……

d) Promotes a particular brand of a product ……

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11. Outline four benefits that may accrue to members of Savings and Credit Cooperative Societies (Saccos) in Kenya. **(4mks)**

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12. State **four** benefits that a farmer may get by transporting produce to the market by road. **(4Mks)**

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13. Outline any four emerging issues in office management **(2mks)**

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14. Outline four features of mail order stores **(4mks)**

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15. State four government initiated methods of protecting consumers from exploitation by traders. **(4mks)**

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16. Explain five factors that lead to business success. **(10Mks)**

17. A flower farmer in Naivasha has secured market for her flowers in the UK . Explain five reasons why the farmer should use air to transport his flowers **(10Mks)**

18. Describe the procedure followed in taking an insurance policy **(10Mks)**

19. Explain the five differences between a partnership and a private limited company**.** **(10Mks)**

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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

CHEMISTRY-233/1
FORM 2
Time: 2 hours
Instructions:

- Write your name, class and House in the spaces provided above.
- Answer all questions in the spaces provided in this paper.
- All answers must be in English.
- Students must check to ascertain that all pages are printed as shown before attempting any question.

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Maximum Score	Student Score
80 marks	

1. Name two types of flame produced by Bunsen burner **(2mks)**

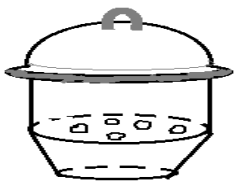
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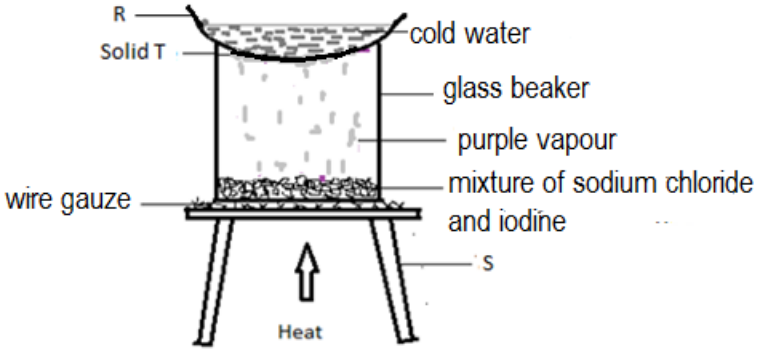
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2. The diagrams below are some common laboratory apparatus. Name each apparatus and State its use

Diagram	Name	Use
	(½mark)	(½mark)
	(½mark)	(½mark)

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3. .The following apparatus were set up to separate a mixture of sodium chloride and ammonium chloride salts.



a) Name the method used in this set up to separate the mixture of sodium chloride and ammonium chloride. **(1mk)**

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b) What is the purpose of ice cold water in the experiment? **(1mk)**

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4. You are provided with water, lead carbonate, dilute nitric (V) acid and solid sodium chloride. Describe in very clear steps how you would prepare a solid sample of lead chloride. **(3mks)**

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5. (i) Using dots (**.**) and crosses (x) represent electrons, draw the electron diagram for ammonia. **(3mks)**

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(ii) Explain the following observations; oxygen and sulphur are in the same group of the periodic table. Water is liquid at room temperature and pressure while hydrogen sulphide is gaseous at room temperature and pressure. **(2mks)**

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6. Phosphorus is in group V of the periodic table. Explain the following observations.

(i) Phosphorus exhibits two melting points. **(1mk)**

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(ii) The chloride of phosphorus forms misty fumes in damp air. **(2mks)**

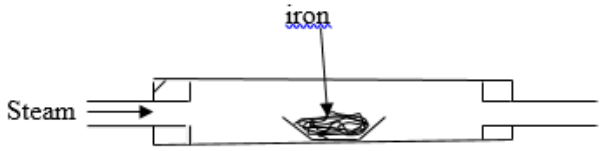
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7. Steam was passed over iron in a combustion tube as shown below. Study the diagram and answer the questions that follow.



(i) What must be included in the diagram for iron to react with steam? **(1mk)**

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(ii) Write an equation for the reaction that takes place when the correction in (i) above is made. **(1mk)**

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8. Give two reasons why laboratory apparatus are made of glass. **(2mks)**

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9. (i) State any two observations made when calcium is placed in a trough of water? **(2mks)**

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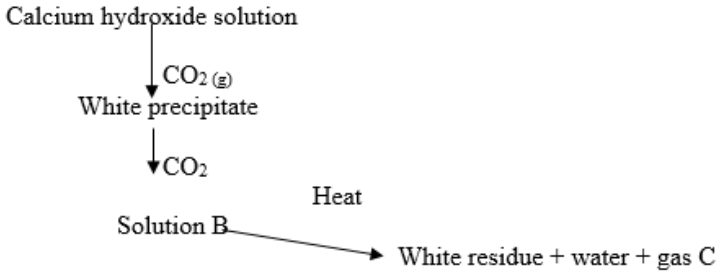
(ii) State any one important use of the solution formed in (i) above. **(1mk)**

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10. Study the flow chart below and answer the questions the follow.



Name:

(a) White precipitate **A**…… **(1mk)**

(b) Solution **B** ……. **(1mk)**

(c) Gas **C**……. **(1mk)**

11. (a) State two roles of chemistry in our society today. **(2mks)**

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(b) Give the definition of chemistry as a branch of science. **(1mk)**

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12. Metals are said to be Ductile **<u>Malleable</u>** and **<u>ductile</u>** in air. Explain the meaning of the underlined words.

(i) Malleable **(1mk)**

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(ii) Ductile **(1mk)**

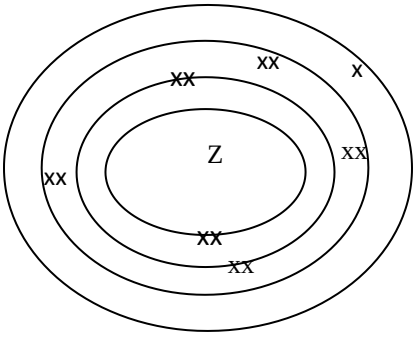
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13. A student represented an atom of element Z as shown in the diagram below



(I) What is the atomic number of element Z? Explain **(2mks)**

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(II) Write the formula and electron arrangement of the ion of Z **(1mk)**

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(III) Write equation for the reaction of Z with chlorine **(1mk)**

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14. An element whose atomic number is 14 has three isotopes A, B and C. Use the information given in the table below to answer the questions that follow.

Isotopes	No of neutrons	% realtive abundance
A	14	92.0
B	15	
C	16.	3.0.

(i) Determine the relative abundance of the isotope B. **(1mk)**

(ii) Calculate the relative atomic mass of the element above. **(3mks)**

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15. Element P, Q, R, and S have atomic numbers 2,10,12,and 17 respectively , select two elements that belong to the same group **(2mks)**

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16. Describe how you can extract oil from sim sim seeds **(3mks)**

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18. An isotope of element B has 30 neutrons and its mass number is 56. B forms a cation with 23 electrons. Write the formula of the cation indicating the mass and atomic numbers **(2mks)**

19. Classify the following processes as either chemical or physical **(3mks)**

Process	Type of change
Heating Ammonium Chloride	
Obtaining kerosene from crude oil	
souring of milk	

20. (a) Which particles conduct electricity in; **(2mks)**

(i) Molten lead (II) bromide

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(ii) Lead metal

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(b) The table below shows properties of some substances.

Substance	Melting point (^{0}C)	Boiling point (^{0}C)	Electrical conductivity	
			Solid	Liquid
A	-112	-107	Poor	Poor
B	801	1413	Poor	Good
C	97.5	880	Good	Good
D	44	280	Poor	Poor
E	1700	2200	Poor	Poor
F	-110	46.3	Poor	Poor

Select a substance which; **(3mks)**

(i) Has a giant ionic structure.

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(ii) Is a metal

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(iii) Has a giant atomic structure.

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(iv) Identify a substance that is a liquid at room temperature. **(1mk)**

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21. Substances can can be classified as electrolytes or non-electrolytes.

I. Define the following terms; **(2mks)**

(i) Electrolyte

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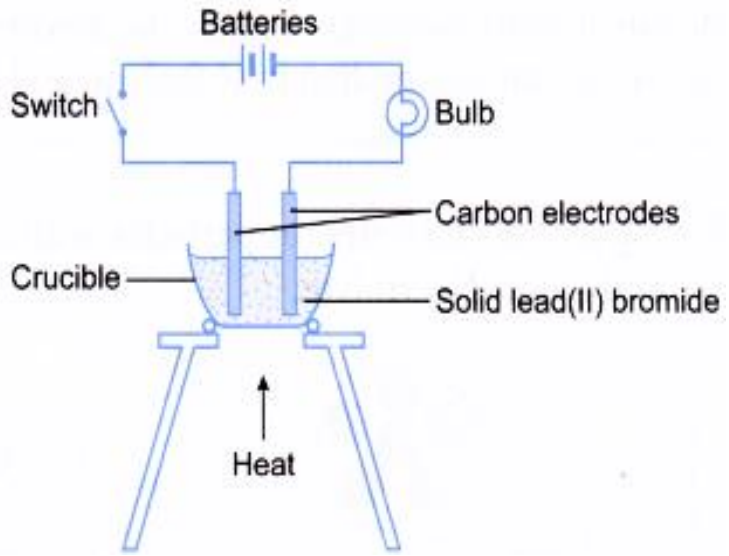
(ii) Electrolysis

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II. A group of Form two students from Kenya high School set up an experiment below to investigate electrical conductivity in molten lead (II) bromide. Use it to answer the questions that follow.



(a) Explain why heating is necessary in this experiment. **(1mk)**

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(b) Indicate on the diagram: **(2mks)**

(i) The flow of electrons

(ii) Label the anode and cathode

(c) State and explain the observations made at**:** **(4mks)**

(i) Anode

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(ii) Cathode

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(d) Write half ionic equations for the reactions taking place at: **(2mks)**

(i) Anode

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(ii) Cathode

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III. Dilute sulphuric (VI) acid is an example of non – binary electrolyte. List the ions present in dilute sulphuric (VI) acid. **(2mks)**

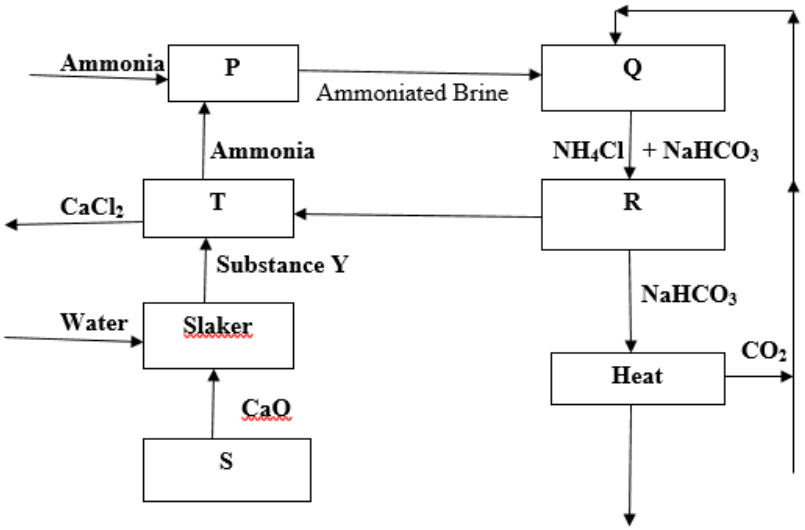
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22. Use the flow chart below to answer the questions that follow.



(a) Name the substances labelled: **(2mks)**

X……

Y……

(b) Name 2 substances being recycled in the process represented by the flow chart. **(2mks)**

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(c) Name the process that takes place in: **(2mks)**

S……

R……

(d) Give 2 uses of calcium chloride. **(1mk)**

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(e) Write equations for the reaction that take place in: **(2mks)**

Q

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T

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(f) Other than softening of hard water give 2 other uses of sodium carbonate. **(2mks)**

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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

COMPUTER STUDIES
FORM TWO- TERM THREE
Time 2 HOURS

INSTRUCTIONS

- Write your **name** and **admission** number in the spaces provided.
- Answer ALL the Questions
- All answers should be **written** in the spaces provided

FOR EXAMINERS USE ONLY

QUESTION	SCORE
1 – 33	

1. List **four** examples of documents that can be created using a word processor **(2mks)**

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2. Explain **four** functions of the operating system **(4mks)**

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3. Computer output may be in forms. Describe each of the following forms listed below give example in each case

a. Softcopy **(2mks)**

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b.Hardcopy **(2mks)**

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4. State **three** application areas of a spreadsheet **(3mks)**

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5. Differentiate between formula bar and cell address **(2mks)**

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6. a) Define the term computer system. **(2mks)**

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b) List **two** ways by which software can be acquired **(2mks)**

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7.State the function of the cache memory **(1mk)**

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8. Differentiate between relative and absolute cell reference **(4mks)**

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9. Write the following computing a acronyms in full **(2mks)**

i.ISP

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ii.MODEM

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10. Describe the following path C:\windows\systems\Kenya.doc **(2mks)**

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11. a) Differentiate between the header and footer as used in word processing **(2mks)**

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b) Define the term mail merge **(1mk)**

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12. State the importance of the following features in a word processor application window **(3mks)**

a) Title bar

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b) Ruler bar

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c) Formatting toolbar

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13. Write the equivalent R1C1 reference for G20 **(1mk)**

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14. State **two** ways of creating a table **(2mks)**

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15. The formulas below are in the cell K5, write the formulas as they would appear when copied in cell R20. **(4mks)**

K5	R20
=B8+G12	
=H$25/$G$2	
=MIN(L5:M18)	
=RANK(F2,$F$2:$F$20,0)	

16. State **four** ways in which computer user can protect from strain and injuries caused by computer. **(4mks)**

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17. State **three** possible causes of warm booting a computer **(3mks)**

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18. State **four** ways through which one can ensure that a computer room is well ventilated **(4mks)**

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19. State **two** differences between a CD-R and a DVD -RW **(4mks)**

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20. Explain **three** types of computer buses **(6mks)**

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21. List **four** sources of graphical objects you can insert in a document **(4mks)**

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22. Describe the **three** files created in creating a mail merge **(3mks)**

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23. State **three** data security practices that can be carried out by an organization to protect data. **(3mks)**

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24. Using illustration differentiate between landscape and portrait page orientation **(4mks)**

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25. Define the term file as used in operating system **(1mk)**

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26. Explain the following commands as used with operating systems **(2mks)**

a.Renaming file

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b.Sort file

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27. Name any **four** programs that always run in the background when computer is started **(2mks)**

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28. Define the following terms **(2mks)**

(i) Hot swapping

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(ii) Master /slave configuration. **(2mks)**

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29. List **four** requirements for basic computer setup and cabling **(2mks)**

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30. Name **three** controllers that can be used to connect hard disk **(3mks)**

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31. State **three** functions of Database management software. **(3mks)**

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32. Differentiate between the following terms as used in database.

a. Validation rule and validation text. **(2mks)**

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b. Table and query. **(2mks)**

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33. List **four** requirements for internet connectivity. **(4mks)**

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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

TERM 3
CHRISTIAN RELIGIOUS EDUCATION
FORM TWO (2)
Time: 2 Hours

Instructions to candidates:

- Write your name and index number in the spaces provided above.
- This paper consists of **SIX** questions.
- Answer any five questions on the foolscaps provided.
- Each question carries 20 marks.

For Examiner's Use Only

Questions	1	2	3	4	5	6	TOTAL
Score							

INSTRUCTION:
ANSWER ALL THE QUESTIONS IN THE SPACES PROVIDED

1a) Identify 6 Deutro-canonical books **(6mks)**

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b) Give the problems Moses faced as he led the Israelites during the Exodus **(7mks)**

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c) Identify the elements 0f Jewish worship found in the Christian worship today **(8mks)**

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2a) Give reasons why Jesus used parables in His teachings **(7mks)**

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b) Explain the teachings of Jesus on the Kingdom of God from the parable of the mustard seed and the Yeast **(7mks)**

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c) Identify the qualities of those of those who belong to the Kingdom of God. **(6mks)**

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3a) Narrate the parable of the wicked Tenants **(8mks)**

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b) Give **seven** signs of Eschatology as taught by Jesus **(7mks)**

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c) Identify **Five** lessons Christians' learn from Jesus reply to the Sadducees on resurrection **(5mks)**

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4a) State **Six** accusation against Jesus during His trial **(6mks)**

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b) Write down the events that took place when Jesus was put to death **(8mks)**

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c) What lessons do Christians learn about the nature of Jesus from the testimony of the repentant thief Lk 23:39-43 **(6mks)**

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5a) Identify factors that undermine the responsibilities of modern Africa towards Spirits **(6mks)**

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b) Outline factors that contributed to Harmony and Mutual Responsibility in the African Community **(8mks)**

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c) State reasons for practicing initiation rites today **(6mks)**

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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

Term 3
ENGLISH
FORM TWO (2)
Time: 2 ½ Hours

Instructions to the candidates

- Write your name and admission number in the spaces above.
- Attempt all questions in English in the spaces provided.
- Use good, legible handwriting.
- Check to ascertain that the paper has all the questions.

FOR EXAMINER'S USE ONLY

QUESTIONS	MAXIMUM SCORE	CANDIDATE'S SCORE
1. Functional Writing	20	
2. Comprehension	20	
3. Oral Skills	25	
4. Oral Poetry	20	
5. Grammar	15	
	100	

1. FUNCTIONAL WRITING (20 MARKS)

Imagine you are the games master in your school and in preparation for the school ball games competition, you intend to place an order for sports items that are lacking in your institution. The items are two volleyballs, a set of basketball uniforms, 10 pairs of rugby-playing boots and two soccer goal nets. Write a business letter to the manager, Michezo Bora Ltd., placing your order for the items. **(20Mks)**

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2. COMPREHENSION (20 MARKS)

Read the passage below and attempt all the questions that follow.

In the traditional way of life, families obtained their daily food directly from the land they cultivated. The land was looked upon as the main source of family wealth. The villages were small as few houses were built. This meant that relatives lived in **close proximity** to one another. This set-up **enhanced social interaction** among family members. Economically, it was advantageous to have many children in a family as plenty of workers were needed to cultivate the land. Jobs were available for everyone in the family. These ranged from tilling the land and looking after animals to doing household chores. Accordingly, the traditional family was the main unit of production and the home tended to be the center of social, educational, training, recreational, and religious activities. Thus, there was increased dependence between and among family members.

In contrast, modern families have acquired increased independence from other families. They live in rural modern houses in individually-owned 'Shambas' isolated from other houses. Alternatively, they live in urban areas surrounded by skyscrapers and the ring and ding of cars and machines. Often, in both cases, relatives may be living too far, making frequent visits difficult. The result is that family members are losing touch with one another.

Economically, the modern family is no longer the main unit of production. Husbands and wives, sons and daughters are looking for work outside the home situation, Often, small children who are not economically productive are left at home without adequate family care. The recreation of the family has been entrusted to the entertainment industry made up of television, radio, magazines, and cinemas theatres. Little wonder then that family members keep drifting apart.

All these changes have altered the roles the family ought to play. First, there is less emphasis on parents being **primary trainers** of youngsters. This role is entrusted to childminders who are usually not family members. Thereafter, it falls on schools, churches, and other organizations. In this **scenario**, the roles of the parents as models to their children, comforters of and listeners to the children's emotional needs are reduced.

Secondly, modern families tend to stay apart for a long time. Instead of using the traditional family way of involving members to solve disputes, they turn to trained professionals like lawyers for help and guidance. Modern families have, therefore, lost their obligations in solving problems in the family.

In essence, children today do not get the full benefit of their rights as they did in traditional families. For example, they are not always allowed to receive and return affection. Also, their right to receive moral, sexual, and emotional guidance from their families has eroded seriously. In light of all these issues, children growing up today are less likely to enjoy meaningful family relations than their traditional counterparts.

(**Adapted from Social Education and Ethics for Secondary School by Otiende, Wainaina and Waiyaki, Longman Kenya pp6-8**)

Questions

1. How was land viewed in traditional society? **(2Mks)**

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2. In what ways were social relations enhanced in the traditional society? **(2Mks)**

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3. In your community, what economic roles were played by various family members according to their sex and age? **(2Mks)**

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4. Why would it be correct to say that the traditional family or traditional families catered for all the needs of an individual? **(2Mks)**

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5. Explain why modern families have grown increasingly independent in both rural and urban areas**.** **(2Mks)**

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6. What emotional needs do you think children have? **(2Mks)**

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7. What roles should parents play in their children's lives? **(2Mks)**

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8. How have children of today been affected by the change in the roles played by families? **(2Mks)**

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9. Explain the meaning of the following words and phrases as used in the passage. **(4Mks)**

a) Close proximity

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b) Primary trainers

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c) Scenario

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d) Enhanced social interactions

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3. ORAL SKILLS (25 MARKS)

a)Read the oral narrative below and answer the questions that follow:

The Chameleon and the Hare

The chameleon and the hare had always had misunderstandings. They always quarreled over who between them could run faster than the other.

"Chameleon, you are the slowest animal on earth," laughed the hare. "You cannot compete in any race, even among the slowest animals, including snails."

"My friend Hare, please avoid blowing your own trumpet I am certain you cannot defeat me in a race. I will finish the race and have enough time to take a meal and a nap before you arrive".

And the great competition was set. Then the day came.

"On your marks, set, go!" the elephant started the race.

No sooner had the race started than the chameleon jumped on the hare's tail. The hare ran like he had never run before. At the finishing line, he started celebrating but when he attempted to sit down and wait for the chameleon, the chameleon shouted, "Wooi!" Please do not sit on me! I arrived long enough to have a meal and a nap. You can never defeat me in a race!"

Questions

(i) Explain three ways in which you would capture the attention of the audience before you start performing this narrative. **(3mks)**

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(ii) Explain four ways in which you would know that you have captured and retained the attention of the audience as the narrator. **(4mks)**

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b) In the following underlined words indicate in which syllable you will place the stress marker to bring out the intended meaning**.** **(5Mks)**

i.I consider that an **insult**.

ii. Can a new **convert, convert** water into wine?

iii.I **suspect** that the **suspect** got away.

c) Study the conversation below between a taxi driver and a passenger who is disturbed by loud music playing in the vehicle.

Passenger: Excuse me, sir, would you mind reducing the volume of the music, please?
Taxi driver: (ignoring her): Hey, where should I drop you?
Passenger: Excuse me, sir, did you hear me?
Taxi driver: What is it, woman? The volume is okay.
Passenger: It's just a request as I need to receive a call.
Taxi driver:(interrupting): Then you should buy your car.
Passenger: I am sorry if I offended you but you have heard ...
Taxi driver: You have also heard my point.

Questions

(i) Identify three instances of lack of etiquette on the part of the taxi driver**.** **(3mks)**

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(ii) Identify two instances of etiquette characteristics of the passenger. **(2mks)**

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d) Indicate the intonation in the following sentences. **(4mks)**

(i) How do you write a good composition **? .....**

(ii) What a wonder! **……**

(iii) Have you had your supper ? **……..**

(iv) Wesa likes eating fruits after lunch. **……..**

e) Underline the silent letters in the following words**.** **(4mks)**

(i) plumber

(ii) raspberry

(iii) bouquet

(iv) Sword

4. ORAL POETRY

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

Bob bob, bobbing wagtail
Coming bobbing along.

Take your shield Little Girl Twin
And we go kill the Herdsmen
But the Herdsmen have done no harm
When they slaughtered their ox
They gave me a piece of bone
Take that to your mother Little Girl Twin
And I will take this to my father.

As I went trudging along
Eagle came and struck me
And I plucked a feather from him
From whom did you pluck the feather?
I plucked it from Sharp-Sharp-Claws
And where is Sharp-Sharp-Claws gone to?
He is gone to the papyrus patch
This is no papyrus patch
This is only a bogey marsh.

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The plucky plucking woman
Where she plucks her hoe from
Is where she plucks beans from
Like this: kku!

Questions

(a) Classify the above song. **(2mks)**

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(b) Who is singing in the song? Give a reason. **(2mks)**

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(c) Identify and illustrate two features that make this an oral song. **(4mks)**

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(d) Describe the tone the singer uses as the song is performed. **(2mks)**

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(e) State any two functions of the song **(2mks)**

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(f) Explain one economic activity from the community in which the song is picked from. **(1mk)**

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(g) Explain the two voices singing in the poem **(2mks)**

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(h) Summarize what the singer is singing about. **(3mks)**

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(i) With illustration identify the moral values emphasized in the community. **(2mks)**

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5. GRAMMAR

(a) Complete each of the sentences below using appropriate articles. (a, an, the) (3 marks)

i. Janet knows how to play **……..**flute.

ii. I am working hard so that I can join **……** university in South Africa.

iii. I was asked to read **……..**eulogy of my grandmother on short notice.

(b) Use the right relative pronoun to complete the following sentences. (2 marks)

i) This is the man to **…….** I gave the book.

ii) The farmer **……** cow stole into my garden has been arrested.

(c) Fill in the gaps in the sentences below using a suitable collective noun. (2marks)

i) Aisha is proud of her _____ of chickens.

ii) This morning Mum served the family a _____of bananas for breakfast.

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(d) Change the following sentences from active voice to passive voice. **(2mks)**

i. Anne returned my book to the library.

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ii. Tom scored the winning goal.

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e) Use commas where necessary in each of the following sentences. **(2mks)**

i) I like reading books on birds reptiles insects and mammals.

ii) After the mother left the child began to cry.

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f) Fill in the gaps below using the verbs in brackets in the present progressive aspect. **(2mks)**

i) The guests_____dinner now. (eat)

ii) I _____ very tired today.(feeling)

g) Fill in the gap using appropriate complex prepositions. (2marks)

i)_____ what happened, we had rather talk to the principal. (In light of, In view of)

ii) The suspect claimed that he had acted _____ **i**gnorance.(out of, in spite of)

THE END

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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

TERM 3
GEOGRAPHY
FORM TWO (2)
312/1
Time: 2 Hours

INSTRUCTIONS TO CANDIDATES:

Answer all the questions in section
The candidate should ensure all pages are available

Answer ALL questions in this Section.

1. a) What is the relationship between Geography and Mathematics. **(2mks)**
b) Identify three areas studied under Practical Geography. **(3mks)**

2. The diagram below represents the structure of the earth. Use it to answer question (a)

(a) Name:
(i) the parts marked P **(2mks)**
(ii) the discontinuity marked R **(1mk)**
(iii) Apart from the core give the other name of the feature marked Q **(1mk)**

(b) State three characteristics of the mantle. **(3mks)**

3.a) Name two weather elements that can be recorded at a school weather station. **(2mks)**
b) Give 3 reasons why recording of data at a school weather station may be inaccurate. **(3mks)**
c) State 2 conditions to consider when siting a weather station **(3mks)**
d) Mention 3 dangers associated with convectional rainfall **(3mks)**

4. a) What is an earthquake? **(2mks)**
b) Distinguish between lava and magma **(2mks)**
(c) Mention three earthquake seismic zone **(3mks)**

5. a) Outline three characteristics of desert vegetation. **(3mks)**
b) State two reasons for the reduced vegetation on mountain tops. **(2mks)**

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6. Name three types of maps **(3mks)**

a) (i) convert the following scales into statement scale

-1:50000 **(3mks)**

-1:250000 **(3mks)**

(ii) Give three uses of map scales **(3mks)**

(iii) Mention 4 ways of representing relief on topographical? **(4mks)**

7. a) Describe the following characteristics of minerals:

(i) Color **(2mks)**

(ii) Cleavage **(2mks)**

(iii) Hardness **(2mks)**

b) (i) Give two types of igneous rocks **(2mks)**

(ii) Explain three reasons why sedimentary rocks are dominant along the Kenya coast. **(6mks)**

c) State four uses of rocks **(4mks)**

d) You are planning to carry out a field on the rocks within your school environment.

(i) Give two secondary sources of information you would use to prepare for the field study. **(2mks)**

(ii) State why you would need the following items during the field study; **(2mks)**

- A geological hammer
- A polythene bag

(iii) Suppose during the field study you collect marble, sandstone and granite, classify each of these samples according to its mode of formation. **(3mks)**

8. a)(i) Name two types of tectonic plate boundaries. **(2mks)**

(ii) Describe the origin of continents according to the Theory of Continental Drift. **(3mks)**

(iii) Explain how the movement of magma causes earth movement. **(2mks)**

b) Name one-fold mountain in:

(i) Asia **(1mk)**

(ii) North America **(1mk)**

(iii) South America **(1mk)**

b) (i) Apart from fold mountains, name three other features resulting from folding. **(3mks)**

(ii) With the aid of a labelled diagram, describe the formation of an over thrust fold. **(4mks)**

c) Explain four effects of folding on human activities. **(8mks)**

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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

TERM 3
HISTORY AND GOVERNMENT (311)
FORM TWO (2)
Time: : 2 ½ HOURS

INSTRUCTIONS

- This paper has three sections i.e. Section A (25 marks), Section B (45 marks) and Section C 30 marks)
- Section A has Q1-17, Section B has Q18-20 while Section C has Q21 and Q22
- Answer all the questions in this paper
- All answers must be written in English

SECTION A (25 MARKS)
ANSWER ALL THE QUESTIONS IN THIS SECTION

1. State two ways through which archaeologists obtain information on the History of Kenya. **(2mks)**

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2. Name the earliest hominid closer to modern man. ***(*1mk)**

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3. Identify the remaining community in Kenya that belong to the Southern Cushites. **(1mk)**

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4. Give the name of the clan council of elders among the Nandi **(1mk)**

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5. State two functions of Fort Jesus during the Portuguese rule. **(2mks)**

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6. Give one advantage of a dual citizenship to a Kenyan. **(1mk)**

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7. Identify one economic responsibility of a Kenyan citizen. **(1mk)**

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8. Give two reasons for the development of early agriculture along river valleys. **(2mks)**

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9. Identify two symbols of national unity in Kenya **(2mks)**

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10. Give two functions of mission centers established by missionaries **(2mks)**

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11. Why was the Trans-Atlantic trade referred to as Triangular trade. **(1mk)**

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12. Give two forms of traditional currency used in Africa. **(2mks)**

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13. Mention two uses of newspapers in the society today. **(2mks)**

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14. State one way in which the use of bronze changed the Africans way of life. **(1mk)**

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15. Name the main dispersal centre of iron smelting in Africa. **(1mk)**

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16. Mention one initial problem that London faced when it was established. **(1mk)**

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17. List two ways in which Kenyan citizens exercise direct democracy **(2mks)**

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SECTION B (45 MARKS)
ANSWER ALL THE QUESTIONS IN THIS SECTION

18.a) State three non-environmental reason for domestication of crops and animals by early man. **(3mks)**

b) Describe the cultural and economic activities of man during middle Stone Age period **(12mks)**

19(a) Apart from the Abagusii, name any three western Bantus in Kenya. **(3mks)**

(b) Describe the social organization of the Abagusii during the pre-colonial period. **(12mks)**

20 a) State three advantages of road transport. **(3mks)**

b) Explain six solutions to challenges facing industrialization in the Third World countries. **(12Mks)**

SECTION C (30 MARKS)
ANSWER ALL THE QUESTIONS IN THIS SECTION

21a) Identify three social responsibilities of a Kenyan Citizen **(3mks)**

b) Explain six social -economic issues that cause conflict in the society **(12mks)**

22a) Give three sources of the British Constitution. **(3mks)**

b) Explain six factors that led to the growth of the Asante Empire by the 19th Century **(12mks)**

WORKING SPACE FOR SECTIONS B AND C

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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

441/1

HOME SCIENCE

THEORY

Paper 1

2 ½ hours

INSTRUCTIONS TO CANDIDATES

- *Write your name and number in the spaces provided.*
- *Sign and date the examination in the spaces provided.*
- *This paper consists of three sections **A**, **B** and **C**.*
- *Answer **ALL** questions in section **A** and **B** and any **two** questions from section **C**.*
- *Answers must be written in the spaces provided.*

For Examiners use only.

Section	Question	Maximum Score	Candidate's Score
A	1-19	40	
B	20	20	
		20	
		20	
Total		100 marks	

SECTION A

ANSWER THE FOLLOWING THE QUESTIONS IN THE SPACES PROVIDED.

1. List down **four** moist methods that can be used when cooking. **(2mks)**

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2. Identify **four** types of brushes you can use to remove dirt from various surfaces in your classroom. **(2mks)**

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3. What is "Full strength starch" as used in laundry work. **(2mks)**

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4. Give **two** ways in which anaemia can be caused in Kenya. **(2mks)**

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5. Mention **two** ways of ensuring that fresh milk is safe for consumption at home**.** **(2mks)**

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6. Highlight **two** ways in which kwashiorkor can be managed**.** **(2mks)**

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7. Give the functions of the following sewing machine parts. **(3mks)**

a) Bobbin winder

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b) Tension disc

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c) Stop- motion screw

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8. State **two** symptoms noted in severe case of diabetes in adults. **(2mks)**

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9. State **two** problems that a homemaker may experience while planning to buy an item**.** **(2mks)**

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10. Give the differences between perishable and non-perishable foods. **(2mks)**

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11. State **two** points to observe when taking body measurements**.** **(2mks)**

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12. State **two** good grooming habits that can prevent occurrence of lice**.** **(2mks)**

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13. State **two** function of Ascorbic acid in the body. **(2mks)**

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14. What is competitive advertisement? **(2mks)**

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15. Give **two** reasons why you would not use acetone to remove stains on acetate fabrics. **(2mks)**

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16. Identify **two** precautions to take when cleaning glass utensils. **(2mks)**

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17. Give **two** reasons for using machine fell seam on children's garments. **(2mks)**

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18. What is the function of the following stitches **(3mks)**

a) Fishbone stitch

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b) Loop stitches

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c) Chain stitch

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19. Mention the function of ammonia in laundry **(2mks)**

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SECTION B (20 marks)

COMPULSORY

20. Your parents are away for the weekend and have requested you to carry out some tasks

a) Giving reasons explain how you would finish your cotton pillow case ready for use. **(10mks)**

b) Describe how you would thoroughly clean a cemented floor in the verandah. **(10mks)**

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SECTION C (40 mks)

Answer any TWO questions from this section in the spaces provided after question 23

21. a) Explain **four** factors you would consider when buying spinach. **(8mks)**

b) Give **four** ways of avoiding wastage in the kitchen when preparing meals. **(4mks)**

c) Highlight **four** reasons why you would not choose to live in a maisonette**.** **(4mks)**

d) Explain **four** points to consider when selecting a drying rack. **(4mks)**

22. a) Explain **four** finishing processes carried out during laundry. **(8mks)**

b) Outline **three** points to consider when caring for kitchen cutting tools. **(6mks)**

c) Explain **three** disadvantages associated with living in a temporary house. **(6mks)**

23**. a)** Explain **two** reasons why a garment care label is important to a consumer. **(4mks)**

b) Explain **three** reasons for cooking meat. **(6mks)**

c) Giving an example in each case differentiate between substitute and complimentary products**.** **(4mks)**

d) Explain **three** methods of removing dirt from surfaces. **(6mks)**

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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

Term 2
ISLAMIC RELIGIOUS EDUCATION (314)
FORM TWO (2)
Time: 2½ Hours

ATTEMPT ANY **FIVE** QUESTIONS

1a). Explain the **reasons** for the revelation of the Quran. **(6mks)**
b). Discuss **six** significance of the compilation of the Quran. **(6mks)**
c). What are the **lessons** that Muslims can learn from the last three verses of *Surah Al-Baqarah*? **(8mks)**

2. a). Explain the **ways** through which hadith evolved. **(4mks)**
b). Discuss the **contribution** of hadith to Islamic culture. **(8mks)**
c). What are the **factors** that necessitated the collection and compilation of Hadith? **(8mks)**

3.a). State the acts forbidden to a Muslim in a state of *Ihram*. **(8mks)**
b). Why do Muslims slaughter animals during *Iddul-Adha*? **(8mks)**
c). Discuss **four** ways in which believing in the Day of Judgement affects the life of a Muslim**.** **(4mks)**

4. a). Identify the **significance** of *Tawheed* in the life of a Muslim. **(7mks)**
b). Explain the different **types** of *Shirk***.** **(6mks)**
c). Enumerate **seven** effects of sexual perversion in society. **(7mks)**

5. a). Describe the **types** of *Eddat*. **(8mks)**
b). Outline Umar ibn Khattab's **contribution** to the cause of Islam during the prophet's era. **(7mks)**
c) What are the social **achievements** of the prophet (p.b.u.h)? **(5mks)**

6. a). Explain **eight** contributions of Sheikh Al-Amin ibn Ali Al-Mazrui in promoting education among Muslims in Kenya. **(8mks)**
b). Outline the **views** of Hassan Al-Banna on Education. **(6mks)**
c). Discuss the **achievements** of Sayyid Qutb**.** **(6mks)**

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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

JINA: ……..……

SHULE: ……..……

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

MTIHANI WA KISWAHILI WA KIDATO CHA PILI
MUHULA WA TATU
MUDA-2 $\frac{1}{2}$
MAAGIZO-Jibu maswali yote.

1. **UFAHAMU** **(alama 15)**

Soma taarifa ifuatayo kisha ujibu maswali

Mageuzi yanayotarajiwa katika idara ya polisi yameanza kubisha hodi baada ya kuzinduliwa kwa mtaala mpya wa kutoa mafunzo kwa maafisa hawa walinda usalama.

Mtaala huu ulizinduliwa rasmi na Waziri wa Usalama nchini miaka michache iliyopita.Mtaala huu ulilenga kuimarisha utendakazi katika kikosi hiki ambacho kwa muda sasa kimelaumiwa kwa kukolewa ufisadi na uvunjaji wa haki za kimsingi.

Akihutubu katika hafla ya kuzindua mtaala huu,Waziri wa Usalama alisema kuzinduliwa kwa mtaala huu wa kutoa mafunzo unaashiria mwanzo wa mageuzi makubwa yanayonuiwa kukipatia kikosi hicho sura mpya.

"Nyakati zimebadilika na tutawapa maafisa hawa wa polisi mafunzo mapya.Tunataka kuunda kikosi imara chenye n0idhamu na kinachoheshimu haki za kibinadamu.Tunataka kuwa na kikosi kinachoakisi sura ya karne hii na kinachofikia hadhi ya kimataifa,"Waziri alisema.

Mtaala moya wa kutoa mafunzo kwa maafisa wa polisi ni matunda ya jopo lililoteuliwa na Rais kutathmini mageuzi katika kikosi hicho .Mtaala uliandaliwa na Taasisi ya elimu nchini ikishirikiana na wanafunzi kutoka chuo cha mafunzo ya polisi cha Kiganjo kwa usaidizi wa wataalamu wa masula ya usalama kutoka Uswizi.

Chini ya Mtaala huo,maafisa wa polisi watapokea mafunzo kwa kipindi cha kati ya miezi 15 na 21 kinyume cha awali ilipowachukua miezi 9 pekee kukamilisha mafunzo!

Aidha ,alama za kujiunga na kikosi hicho zimeongezwa .Katika mtaala huo ,wanaojiunga na idara ya polisi wa kawaida,kitengo cha G.S.U au polisi wa utawala ni lazima wawe wamepata alama ya C katika mtihani wa kitaifa wa K.C.S.E na itawachukua miezi 15 kukamilisha mafunzo ikiwa ni pamoja na miezi 3 ya kujifamahamisha na huduma ya kikosi.

Hii ni tofauti na awali ambapo alama ya kujiunga na kikosi cha polisi ilikuwa ya D katika mtihani wa K.C.S.E .Mtaala mpya unasema asilimia 10 ya <u>makurutu wawe na digrii kutoka chuo kikuu na watapokea mafunzo kwa miezi 15 na kuhitimu cheo cha Naibu wa Inspekta wa Polisi.</u>

<u>Kuanzia sasa ,sharti usawa wa kijinsia uzingatiwe kikamilifu katika uajiri wa polisi.Wachanganuzi wa masuala ya usalama wanasema ukizingatiwa ipasavyo, mtaala huo utasaidia kuunda msingi dhabiti wa kikosi imara ambacho wananchi wamekuwa wakihitaji.</u>

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Maswali

a) Ni dalili ipi inayoonyesha mwanzo wa mageuzi? **(alm1)**

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b) Mtaala mpya unalenga nini? **(alm4)**

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c) Eleza lawama zinazoelekezewa kikosi cha polisi. **(alm2)**

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d) Kwa mujibu wa taarifa eleza mageuzi matatu yaliofanywa katika kikosi cha polisi. **(alm3)**

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e) Taja makundi mawili yanayohusika katika kuandaa mtaala mpya. **(alm2)**

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f) Eleza maana ya maneno haya kama yalivyotumika katika kifungu **(alm3)**

1) kubisha hodi

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ii) kukolewa

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iii) Makurutu

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2. MATUMIZI YA LUGHA (alm 40)

a) Taja aina mbili kuu za sauti za Kiswahili. **(alm2)**

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b) Taja vigezo vitatu vinavyotumika kuainisha konsonanti. **(alm3)**

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c) Taja aina mbili za konsonati zenye aina ya vipasuo. **(alm2)**

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d) Andika maneno yenye miundo ya silabi ifuatayo. **(alm3)**

i) KI

……..

ii) KKI

……..

iii) II

……..

e) Bainisha maneno haya yanapatikana katika ngeli ipi? **(alm2)**

Ngoma

……..

Ukuta

……..

f) Bainisha mofimu katika neno hili. **(alm2)**

Alienda

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g) Andika vinyume vya sentensi zifuatazo; **(alm2)**

i) Mama anaanika nguo.

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ii) Baba anaenda sokoni.

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h) Kanusha sentensi zifuatazo. **(alm2)**

i) Mkulima analima shamba.

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ii) Mwanafunzi anasoma kitabu

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i) Bainisha aina za nomino hizi. **(alama 3)**

i) Sukari

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ii) Mwanafunzi

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iii) Malindi

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j) Bainisha aina za vitenzi katika sentensi zifutazo **(alm3)**

i) Walikuwa kwake.

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ii) Tulienda kufagia darasa letu.

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iii) Amekwisha kusema hivyo mara nyingi.

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k) Tunga sentensi mbili kuonyesha maana tofauti ya neno. **(alm2)**

Hema

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l) Andika ukubwa wa sentensi hii. **(alm2)**

Mwizi aliposhikwa hakutoroka.

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m) Andika sentensi ifuatayo katika hali ya mazoea. **(alm1)**

Wanafunzi walirauka alfajiri na mapema kwenda mjini.

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n) Andika upya sentensi ifuatayo kwa kutumia –amba-. **(alm1)**

Tarakilishi iliyonunuliwa imeanza kutumiwa.

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o) Onyesha silabi inayowekewa shadda kwenye maneno yafuatayo. **(alama 4)**

Karatasi

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Shairi

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Barabara (njia kuu)

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Mto

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p) Eleza maana ya nahau hizi, **(alm2)**

i) Nenda segemnege

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ii) Piga moyo konde

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q) Andika katika msemo wa taarifa; **(alm2)**

"Wakazi wa eneo hili ni wafugaji stadi wa sungura"Kakangu aliniambia.

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s) Andika katika kauli ya kutendesha **(alm2)**

Amani alkunywa pombe mpaka akalewa sana.

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3. **ISIMU JAMII** **(alm10)**

Soma kifungu kifuatacho kisha ujibu maswali.

"Aisee mimi ng'ombe, nilisema kitambo…
Na huyu mwenzangu amesema kuku na ugali .Harakisha kidogo bro tunachelewa!"

i) Tambua sajili inayorejelewa. **(alm2)**

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ii) Tambua sifa zinazobainisha sajili rejelewa. **(alm8)**

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4. **FASIHI SIMULIZI** **(alama 15)**

Soma kifungu kifuatacho kisha ujibu maswali

"Mwanangu ,masomo ni jambo muhimu sana .Utakapofika chuoni na kuanza maisha ya chuo kikuu , tafadhali usijiingize katika mambo ya dunia,anasa na raha nyingi.Vitbau viwe rafiki wa karibu .Jaribu kusaidiana na wenzako na utie bidii za mchwa masomoni.
Mwanangu kumbuka elimu ndio ufunguo wa maisha mema hapo usoni.Jiepushe na mambo mabaya ili usiangukiwe na mti.Kumbuka aliye kando haangukiwi na mti."

Maswali

a) Tambua kipera cha fasihi simulizi na kifungu hiki. Thibitisha jibu lako. **(alm2)**

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b) Bainisha sifa tatu za kipera hiki zinazojitokeza kifunguni. **(alm3)**

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c) Onyesha umuhimu wa toni moja inayotumiwa katika uwasilishaji wa kipera hiki. **(alm2)**

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d) Onyesha sifa mbili za nyimbo katika utambaji wa hadithi. **(alm2)**

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e) Fafanua vipengele muhimu katika kufanikisha uwasilishaji wa Fasihi simulizi. **(alm4)**

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f) Wewe ni kati ya wanaotambiwa hadithi katika mandhari maalum. Fafanua mambo ambayo wewe na mwenzako mnaweza kuchangia wakati wa utambaji. **(alm3)**

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MWISHO

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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

Term 3
MATHEMATICS (Alternative A)
FORM TWO (2)
Time: 2½ Hours

INSTRUCTIONS TO CANDIDATES

(a) Write your name, admission number, school and class in the spaces provided at the top of this page.
(b) Sign and write the date of the examination in the spaces provided above.
(c) This paper consists of **two** sections: **Section I** and **Section II.**
(d) Answer **ALL** questions in **Section I** and **any five** questions from **Section II.**
(e) **Show all the steps in your calculations, giving your answers at each stage in the spaces provided below each question.**
(f) Marks may be given for correct working even if the answer is wrong.
(g) **Non-programmable** silent electronic calculators and KNEC Mathematical Tables may be used.
(h) **Candidates should check the question paper to ensure that all the pages are printed as indicated and no questions are missing.**

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SECTION I

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

SECTION II

17	18	19	20	21	22	23	24	Total		
									Grand Total	

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SECTION I (50 Marks)

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

1. Evaluate $\frac{\frac{5}{6}of\left[\frac{13}{3}-\frac{23}{6}\right]}{\frac{5}{12}\times\frac{3}{25}+\frac{14}{9}\times\frac{3}{7}}$ **(3mks)**

2. A number n is such that when it is divided by3,7,11 or 13 its remainder is always one .Find the number **(2mks)**

3. Two containers have base areas of 750 cm^2 and 120cm^2 respectively. Calculate the volume of the larger container given that the volume of the smaller containers is 400cm^2. **(3mks)**

4. Solve the inequality and represent the solution on a number line. (3mks)

$$12- x \geq 5 \leq 2x -2$$

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5. use tables of logarithms to solve: $\sqrt{\frac{3.45+2.62}{786\times0.0007}}$ **(4mks)**

6. Simplify completely **(2mks)**

$$\frac{2a^2 + 6ab + 4b^2}{2(a^2-b^2)}$$

7. Solve the equation

a) Cos $(2x +35)^0$ = sin $(3x-10)^{\mathbf{0}}$ **(3mks)**

b) Hence find Tan (2x +4) without using table or calculators. **(2mks)**

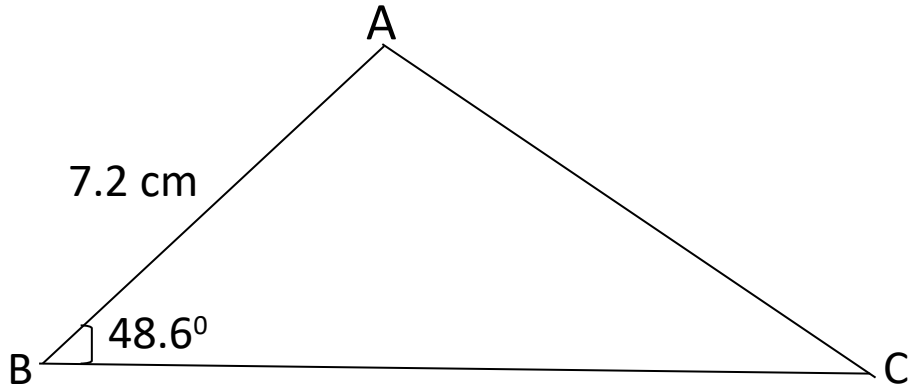
8. Maina spent $^1/_3$ of his net salary on school fees. He spent ¼ of the remainder on rent he then spent $^1/_8$ of what was left on transport .If finally he had sh.4200 what was his net salary. **(3mks)**

9. Solve the quadratic equation **(3mks)**

$$2x^2 +3x – 2=0$$

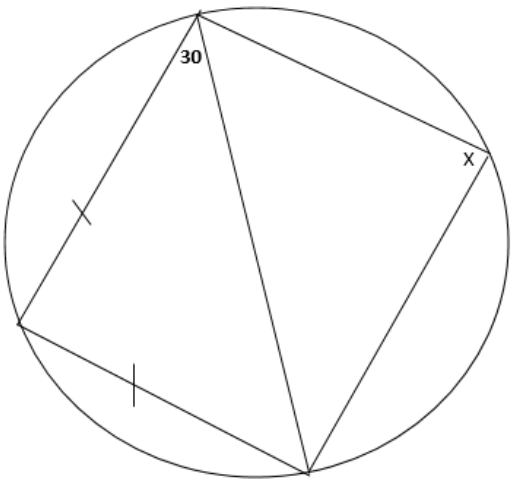
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10. The area of the triangle ABC is $28cm^2$. Find the length BC. **(3mks)**



11. The image of point A(6 , 4) is A' (3 ,4) under the translation vector. Find the translation vector **(3mks)**

12. Find the size of the angle labeled x giving reason. **(2mks)**



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13. A customer paid ksh. 5,880 for a suit after he was allowed a discount of 2% on the selling price .If the discount had not been given the seller would have made the profit of 20% of the sale of the suit . Determine the price at which the seller bought the suit**.** **(3mks)**

14. Evaluate $\frac{64^{-1/2}\times 729000^{2/3}}{2^{-4}\times 3^{0}\times 5^{2}}$ **(4mks)**

15. A line which join the 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)**

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16. The interior angle of a certain polygon is 84^0. If each of the other angles is 147^0 how many sides does the polygon have**?** **(3mks)**

SECTION B

Answer any five questions from this section

17. (a) A bucket is in the shape of a frustum of a cone. Its diameter at the top and the bottom are 38 cm and 28 cm respectively. Its depth is 20cm.Determine the full capacity of the bucket in litres. **(6mks)**

(b) The above container was filled with water and later transferred to a cylinder of height 92cm. Calculate to 1 d.p the radius of the cylinder. **(4mks)**

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18. The slaughter house brought a number of sheep at sh. 1200 each and a number of oxen at sh.15,000each. They paid a total of sh.135, 000. If they had brought twice as many sheep and three oxen less. They would have saved sh. 15000.

a) Write two simultaneous equations presently the information**.** **(2mks)**

b) Find the number of each type of animal they brought. **(5mks)**

c) The sloughter house sold all the animal at a profit of 30% per sheep and 35% per oxen. Determine the total profit they made. **(3mks)**

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19. Four towns A,B,C and D are such that B is 84km from A on a bearing of 063^0 .C is 144 km and on bearing S 30^0E from B.D is directly to the west of C and on a bearing of 160^0 from A.

a) Using a scale of 1 cm reps 20km show the relative position of the towns. **(4mks)**

b) Use you scale drawing to find.

i. Distance AC **(2mks)**

ii. Bearing of A from C **(2mks)**

iii. Distance DC. **(2mks)**

20. (a) A straight line L whose equation is $3y - 2x = -2$ meets the x-axis at R. Determine the coordinates of R.**(2mks)**

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b). A second line L_2 is perpendicular to L_1 at R. Find the equation of L_2 in the form y=mx + c where m and c as contract. **(3mks)**

c). A third line L_3 passes through (-4, 1) and is parallel to L_1.Find

i.The equation of L_3 in the form y=mx + c where m and c are constants. **(2mks)**

ii. The coordinators of point S at which L_3 intersects L_2**.** **(3mks)**

21. (a) Draw line PQ, 8 cm long the line construct triangle PQR such that <QPR = 75^0 and line PR= 7 cm measure line QR . **(4mks)**

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b). Construct a circle touching all the vertices of triangle PQR and measure its radius**.** **(3mks)**

c). Calculate the difference in area between the circle and triangle PQR**.** **(3mks)**

22. The distance between Busia to Nairobi is 360 km.A bus left Busia at 7:30 am and traveled towards Nairobi at an average speed of 90km/h. A Nissan left Nairobi at 9:30 am on the same day and traveled towards Busia at an average speed of 120km/h.
Calculate.

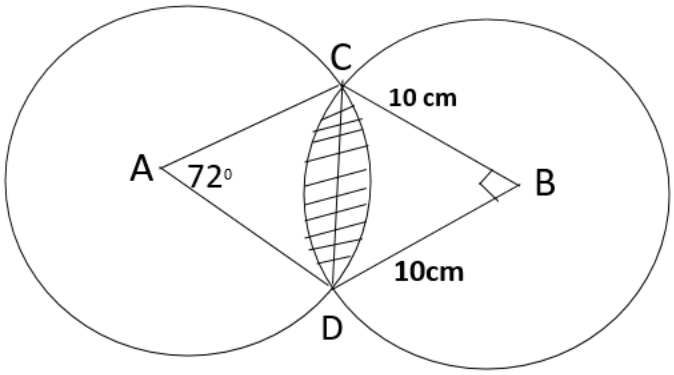
a) How far from Busia they met to the nearest whole number. **(5mks)**

b) The time they met. **(2mks)**

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c) A motorist started from Kisumu at 9:25am on the same day and traveled at an average speed of 110km/h. He arrival at Nairobi at the same time with the bus. Calculate the distance from Nairobi to Kisumu.**(3mks)**

23. The figures below shows two intersecting circles with centre A and B. <CBD =90^0 and BC = BD =10cm <CAD = 72^0 and line CD is a common chord.



Calculate

i.The length of common chord CD**.** **(2mks)**

ii. The radius AC to the nearest whole number. **(3mks)**

iii. The area of intersection of the two circles that is shaded. **(5mks)**

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24. The height of 25 coffee shrubs in a certain farm in centimeters were recorded as below :

109	120	114	121	150
149	125	106	148	140
109	108	130	138	142
148	147	107	136	139
132	135	109	116	128

a). Illustrate this information on a frequency table using a class internal of 5 cm starting with 105 – 109 **(4mks)**

b).what is the model class **(1mks)**

c) Calculate the mean height**.** **(2mks)**

d). calculate the median height**.** **(3mks)**

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PROGRESSIVE STUDENTS FORM TWO
END TERM 3 SERIES ONE EXAMS

NAME: ……..……

SHOOOL: ……..……

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

Term 3
PHYSICS
FORM TWO (2)
Time: 2 Hours

Instructions to candidates

- This paper consists of two sections ***A*** and ***B***.
- Answer **all** the questions in the two sections in the spaces provided after each question
- All working **must** be clearly shown.
- Electronic calculators, mathematical tables may be used.
- All numerical answers **should be expressed** in the **decimal** notations.
- You may use:

➢ 'gravitational acceleration, g, as $10m/s^2$

➢ Density of water = $1000kg/m^3$

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SECTION	QUESTION	MAX MARKS	ANDIDATE'S SCO
A	1 – 12	25	
	13	11	
	14	13	
	15	13	
	16	10	
	17	08	
	TOTAL	80	

SECTION A (25 Marks)

1. Jane, a form one student, was working in the school laboratory when she got electrocuted. Suggest the first aid measure which should be administered. **(1mk)**

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2. Define the term 'moment' of a force and state its SI unit **(2mks)**

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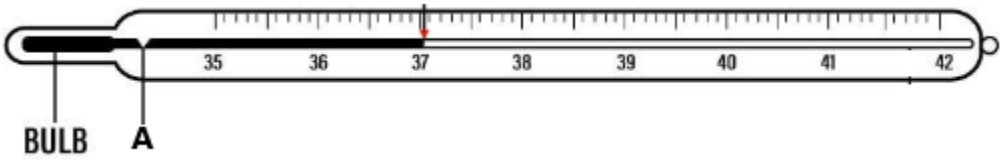
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3. Diffusion in gases is faster than in liquids; give two reasons why this is so. **(2mks)**

4. The figure below is a type of instrument for measuring the extent of hotness of a human body.

Figure 1



a) Identify the instrument **(1mk)**

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b) Label the part, A and state its function **(2mks)**

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5. Complete the ray diagram below to show how the eye views the tip of the lighted candle as the object. **(3mks)**

Figure 2



6. State the basic law of electrostatics **(1mk**

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7. Briefly explain how an electroscope maybe used to test for an insulator **(2mks)**

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8. You are provided with the following apparatus: a bulb, connecting wires, a cell and a switch. Using the provided apparatus, draw a well labelled circuit diagram of a simple electric circuit **(3mks)**

9. Explain the meaning of 'polarization' as a defect in simple cells **(1mk)**

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10. State two disadvantages of alkaline accumulators over lead acid accumulators **(2mks)**

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11. A car battery is rated 40 Ah and it is expected to supply a constant current for 120 minutes. Determine the strength of current delivered. **(3mks)**

12. Explain how hammering demagnetizes a bar magnet **(2mks)**

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SECTION B (55 Marks)

13. Figure below, shows a micrometer screw gauge being used to measure the diameter of a cylindrical object of length 10 cm. It has a zero-error of -0.02mm.

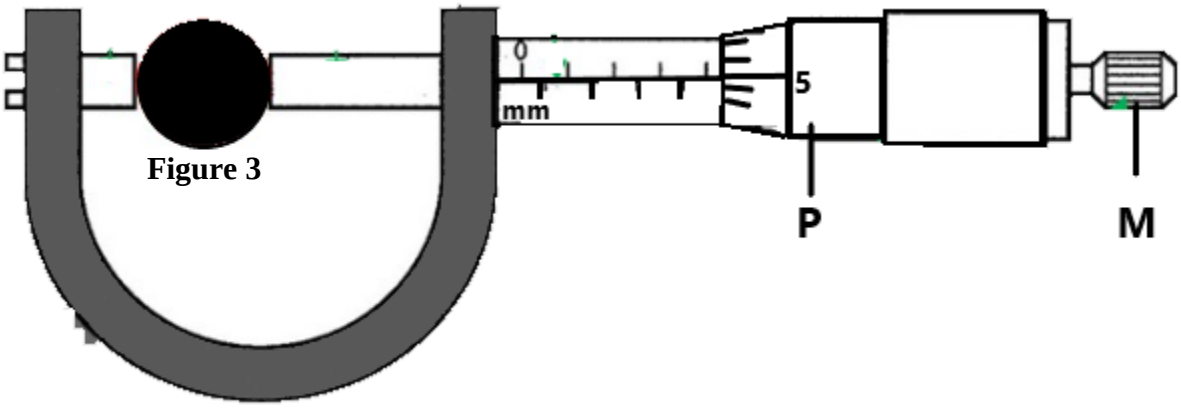


Figure 3

a) Identify the parts labelled P and M **(2mks)**

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b) State the diameter of the object **(2mks)**

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c) Determine the volume of the object **(2mks)**

d) If an oil-drop of diameter 0.5 mm spreads on the surface of water to form an oil patch of diameter 0.2 m, estimate the thickness of the oil molecule. **(3mks)**

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e) State any two assumptions made in the calculation (part d) above **(2mks)**

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14.

a) Define the following terms as used in waves:

i.Period **(1mk)**

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ii. Wavelength (of a longitudinal wave) **(1mk)**

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b) The **figure 4** below shows a displacement- distance graph for a certain wave motion.

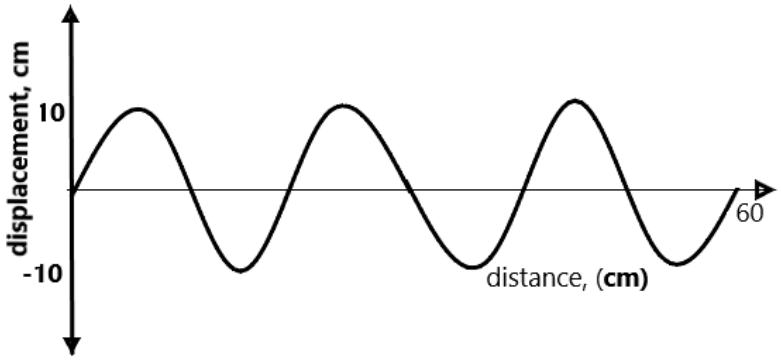


Figure 4

Determine

i.The amplitude, A of the wave **(1mk)**

ii. The wavelength of the wave **(1mk)**

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c) Given that the frequency of the wave (in part b, above) is 40Hz, determine the:

i.Periodic time (T) **(1mk)**

ii. Speed of the wave **(3mks)**

d) State any two factors affecting the speed of sound in air **(2mks)**

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e) A person standing 49.5 m from the foot of a tall cliff claps his hands and hears an echo 0.3 second later. Calculate the velocity of sound in air. **(3mks)**

15. Define 'atmospheric pressure' **(1mk)**

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b) Figure 5 shows a simple mercury barometer.

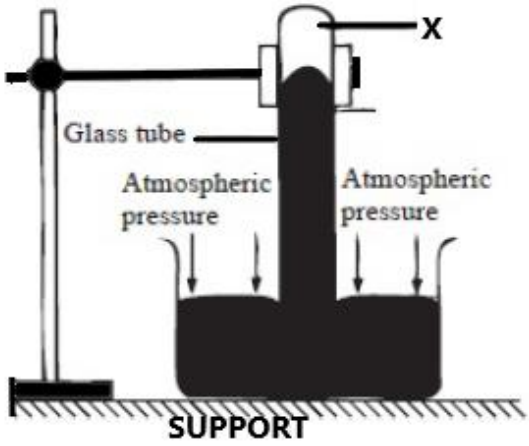


Figure 5

i. Identify the part labelled X **(1mk)**

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ii. Explain how you would test for the X **(2mks)**

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c) The figure 6 below shows a U-tube filled with water, mercury and another liquid:

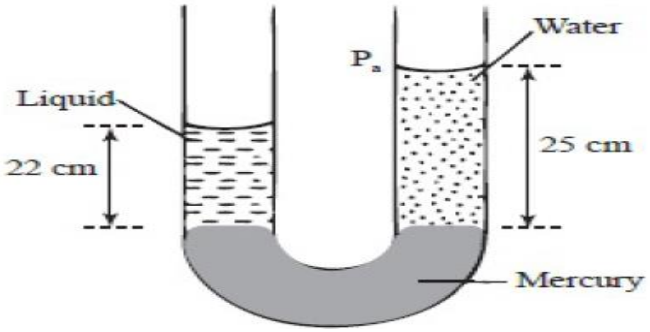


Figure 6

i. Determine the density of the liquid. **(3mks)**

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ii. State possible reasons why mercury is used. **(2mks)**

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d) It is dangerous to stand close to a railway line on which a fast moving train is passing. Explain **(2mks)**

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e) Differentiate between the: Bernoulli's effect and Bernoulli's principle **(2mks)**

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16.

a) Explain the meaning of the following terms:

i.Magnetic field **(1mk)**

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ii.Direction of a magnetic field **(1mk)**

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b) Figure 7 is a simple electromagnet, used for lifting and then releasing steel in a factory.

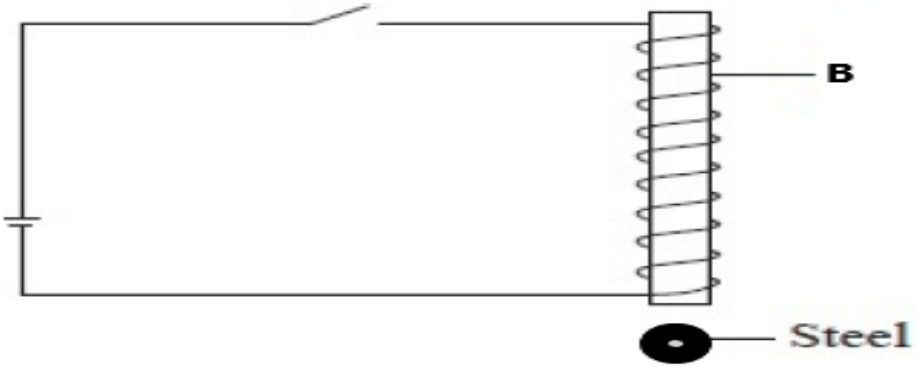


Figure 7

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i. Suggest a material which most suitable for use in part labeled B **(1mk)**

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ii. Explain your answer in part, a above **(1mk)**

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iii. Suggest any two modifications on the electromagnet above so that it can lift a slightly heavier load **(2mks)**

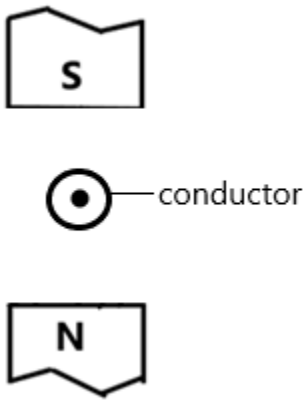
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c) A conductor is carrying current in a magnetic field as shown in the figure below:



i. On the same diagram, draw the resultant field between the poles of the magnet shown; (2 marks)

ii. Indicate the direction of the force acting on the conductor (1 mark)

Figure 8

d) Using the domain theory, distinguish between magnet and magnetic material **(1mk)**

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17.

a) State the principle of moments **(1mk)**

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b) Define the term 'Centre of gravity' **(1mk)**

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c) Equal and parallel forces in opposite direction is called '**anti-parallel forces.**' State any two applications of the anti-parallel forces. **(2mks)**

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d) Figure 9 shows a bolt being loosened using a spanner by application of forces F_1 and F_2.

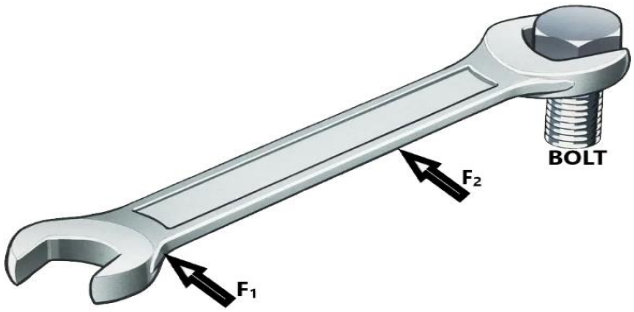


Figure 9

The forces are applied in turns. If the two forces produce equal moment on the bolt, state with reason which of the two forces is greater than the other. **(2mks)**

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e) Explain why a lorry loaded with bags of maize packed high up is likely to topple when negotiating a corner. **(2mks)**

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