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



EXCELLING STUDENTS FORM TWO END TERM TWO SERIES ONE EXAMS

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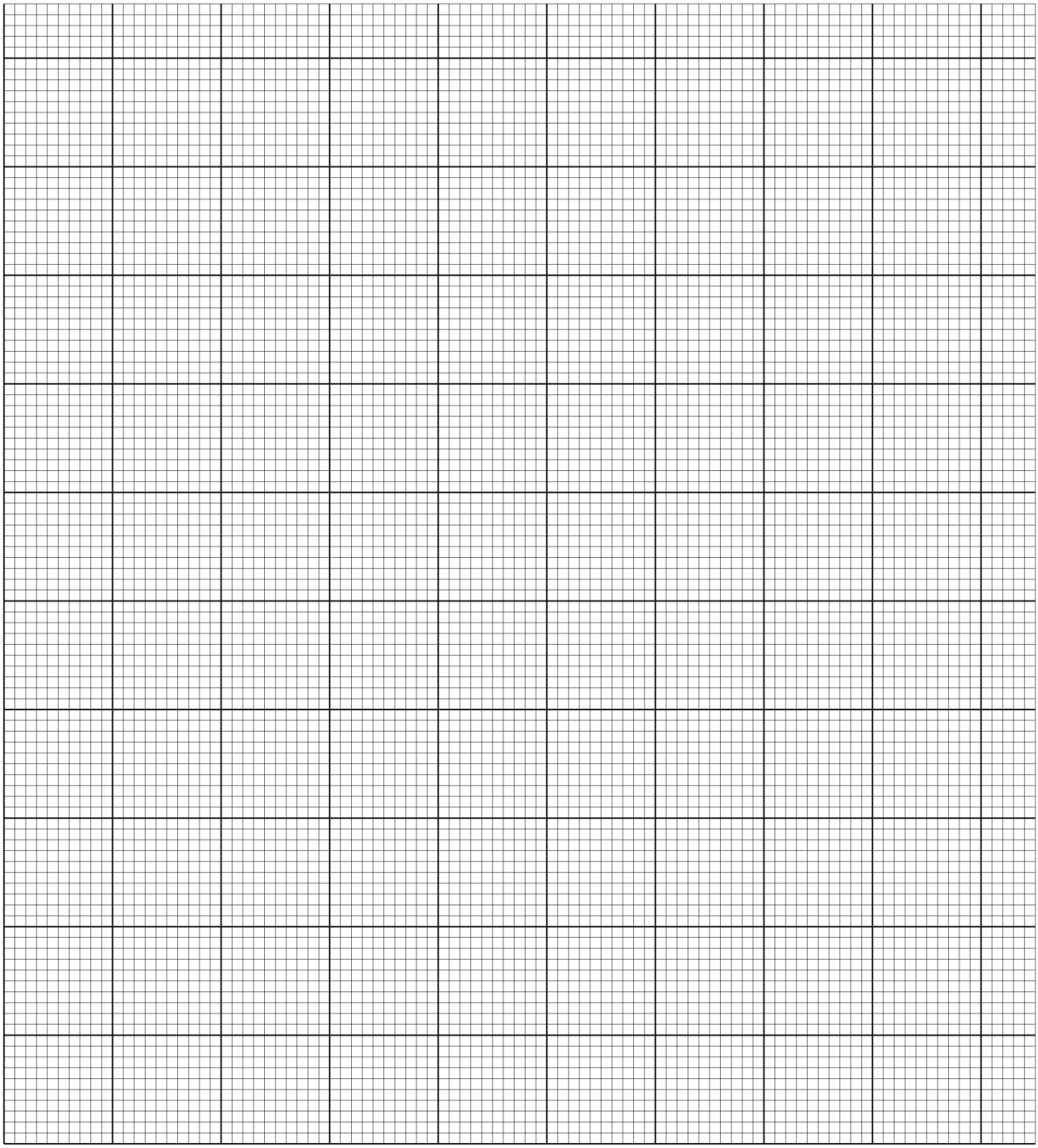
ORDER OF THE 14 SUBJECTS TESTED *(ALPHABETICALLY ARRANGED)*

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**

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GRAPH PAPER

NAME: ……..



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EXCELLING STUDENTS FORM TWO
END TERM 2 SERIES ONE EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2

AGRICULTURE (443)

FORM TWO (2)

Time: 2 Hours

INSTRUCTIONS TO CANDIDATES

- Write your name, admission number and class in the space provided.
- This paper consists of three sections: A, B and C
- Answer all the questions in sections A, B and C in the spaces provided.

FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAX SCORE	CANDIDATE'S SCORE
A	1 – 16	30	
B	17 – 22	30	
C	23 – 24	40	
TOTAL		100	

SECTION A (20 MARKS)

Answer All The Questions In This Section

1. State the two main farming systems practiced in Kenya. **(2mks)**

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2. State four reasons for ridging in potato production. **(2mks)**

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3. State three effects of low temperature on crop production. **(1½mks)**

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4. Outline three effects of soil organisms which benefit crop growth. **(3mks)**

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5. Give four features of plastic pipes a farmer should consider before buying the pipes **(2mks)**

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6. Define the following terms as used in Agricultural Economics. **(2mks)**

a) Scarcity

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b) Opportunity cost

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7. State the functional difference between a pruning saw and a sickle. **(2mks)**

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8. State two main functions of the crop in the digestive system of poultry. **(1mk)**

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9. Give three symptoms of excessive nitrogen in plants. **(1½mks)**

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10. Name two main categories of tomatoes. **(1mks)**

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11. Name the following vitamins:

i) Its deficiency leads to retarded growth, poor eyesight and reduced resistance to diseases. **(1mk)**

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ii) Found in whole grains and can be synthesized by micro- organisms in the rumen**.** **(1mk)**

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iii) Helps in reproduction and its deficiency causes sterility and premature birth**.** **(1mk)**

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12. State four factors that determine the type of irrigation to be used in an area. **(2mks)**

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13. List four tick borne diseases. **(2mks)**

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14. Give four desirable characteristics of bos indicus. **(2mks)**

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15. Give four characteristics that make a crop suitable for green manuring. **(2mks)**

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16. State two methods used in training crops. **(1mk)**

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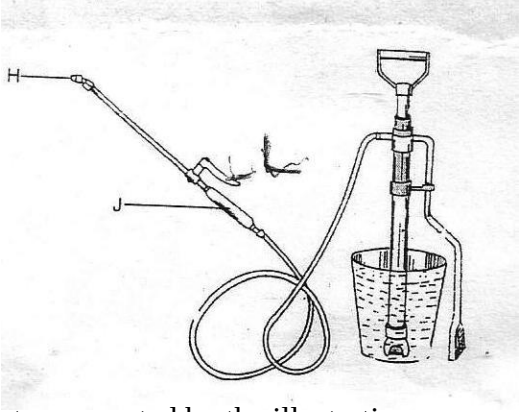
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SECTION B (30 MARKS)

Answer all the questions in this section.

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



a) Identify the equipment represented by the illustration. **(1mk)**

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b) What is the use of the equipment. **(1mk)**

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c) Name the parts labeled H,J,L and give their functions. **(3mks)**

H –

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J –

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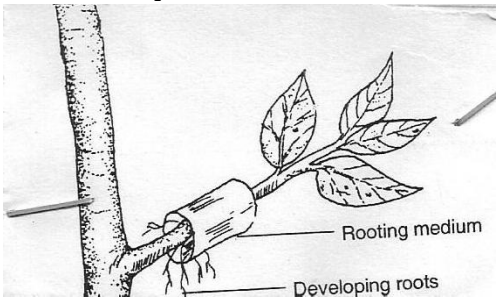
L –

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18. Study the diagram below and answer the questions that follow.



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a) Identify the method of propagation illustrated. **(1mk)**

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b) Outline the procedure followed when carrying out the above practice. **(4mks)**

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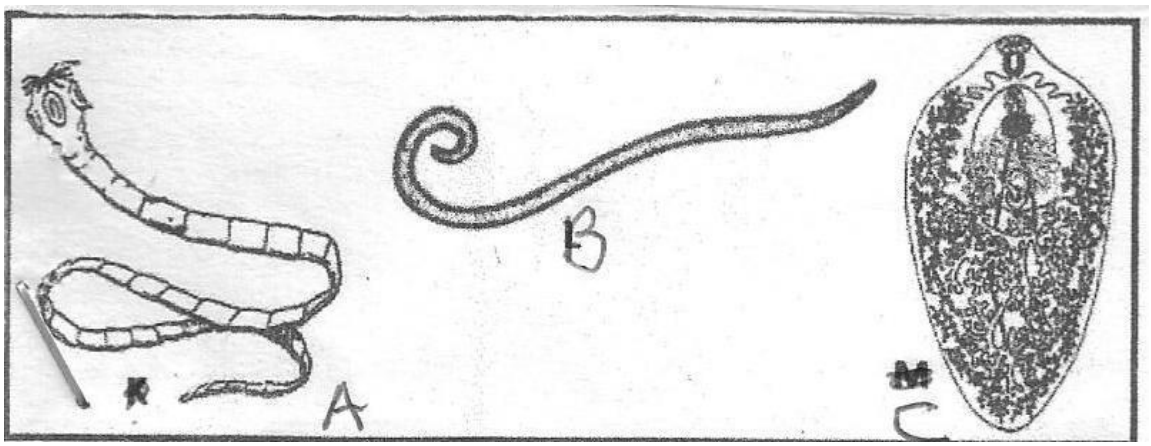
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19. The diagram below illustrates some parasites study them and answer the questions that follow.



a) Identify the parasite A,B,C **(3mks)**

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b) Name the part of the host where the parasites A and B are found. **(1mk)**

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c) Name the intermediate host of parasite C. **(1mk)**

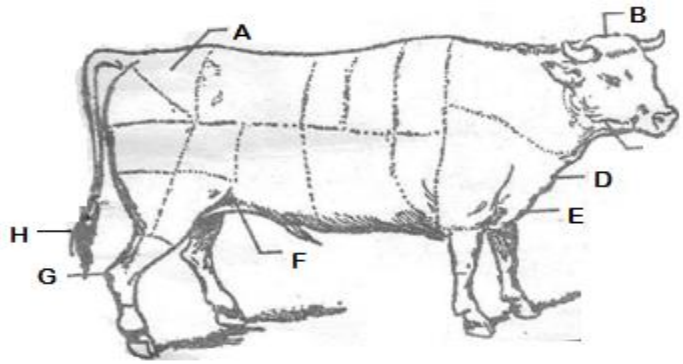
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20. A farmer is required to prepare 100 kg of ration of 30% digestible crude protein (DCP) from simsim seed cake containing 50% DCP and maize meal 10% DCP. Using Pearson's square method, calculate the amount of simsim and maize the farmer requires. **(5mks)**

21. The figure below illustrates the external parts of a cow.



a) Name all the parts labeled A to H. **(4mks)**

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b) State one function of the part labeled H. **(1mk)**

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22. A farmer spreads lime on the soil at the rate of 0-.3 kg per m^2.

a) How much lime will be needed for one hectare of land? **(2mks)**

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b) How will adding lime affect the PH of the soil. **(1mk)**

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c) What is the benefit of adding lime to clay soil. **(2mks)**

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SECTION C (40 MARKS)

ANSWER TWO QUESTIONS FROM THIS SECTION IN THE SPACES PROVIDED

23. a) State and explain six field management practices carried out in tomato production. **(12mks)**

b) State the role of each of the following components of the compost manure. **(4mks)**

i) Farm yard manure

ii) Maize stalks

iii) Wood ash

iv) Top soil

c) Give four factors that should be considered when siting the compost pit. **(4mks)**

24. a) Describe the life cycle of a two host tick. **(10mks)**

b) Outline five preventive measures used to control livestock diseases. **(5mks)**

(c) Compare the differences of the Ruminants and non-ruminants **(5mks)**

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EXCELLING STUDENTS FORM TWO
END TERM 2 SERIES ONE EXAMS

NAME: ……..

SHOOOL: ……

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

TERM 2
BIOLOGY (QUESTION PAPER)

FORM TWO

TIME 2 HOURS

INSTRUCTIONS

1. All Questions are Compulsory
2. Write your Answers in the Spaces Provided
3. Wrong Spelling of Technical Terms shall be Penalized

Max Score	Student's Score
80	

1. Define the following terms as used in biological studies

a) Species **(1mk)**

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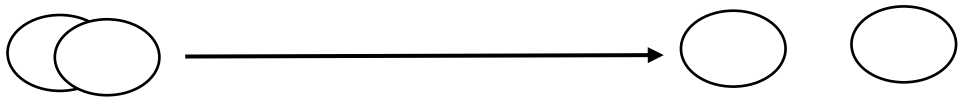
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b) Diastema **(1mk)**

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2.a) Identify the function of a microscope shown by the arrow in the diagram below



Identity …… **(1mk)**

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b) Give the importance of the concept identified in a) in microscope work **(1mk)**

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c) State the formula for calculation of magnification when using a light microscope **(1mk)**

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3.a) Why do carnivores have a shorter alimentary canal compared to herbivores? **(1mk)**

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b) Give **TWO** reasons why digestion of starch stops in the stomach of animals **(2mks)**

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4. a) State the function of the following **(2mks)**

i) Epiglottis

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ii) Pericardial membrane

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b) Fill the table below to show the differences between smooth endoplasmic reticulum and rough endoplasmic reticulum **(2mks)**

Smooth endoplasmic reticulum	**Rough endoplasmic reticulum**

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5. State the importance of the following in photosynthesis **(2mks)**

a) Xylem tissue

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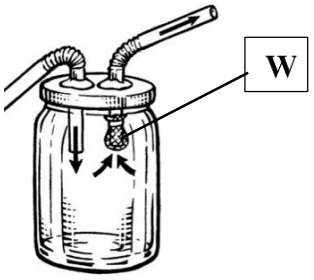
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b) Leaves having very thin leaf lamina

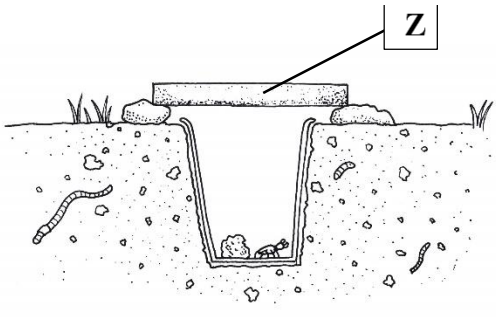
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6. The following are apparatus used in biological studies



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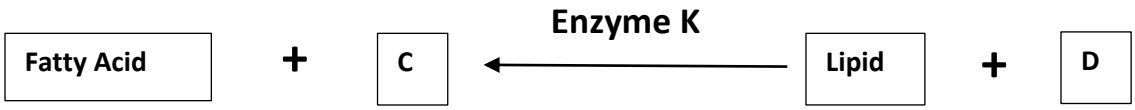
Y

State the importance of the labelled parts to the function of the apparatus shown: **(2mks)**

i) Part **W**……

ii) Part **Z** ……

7. The diagram below is a sketch of biological process



a) Identify compounds labeled **(2mks)**

C: ……..

D: ……..

b) State **TWO** conditions that can denature enzyme **K** **(2mks)**

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8. Explain why the following happen in a human body during mountain climbing

a) The number of red blood cells increase **(2mks)**

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b) The blood vessels within the nose may burst leading to nose bleeding **(1mk)**

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9.a) Under what condition is fat used as a source of energy in a human body **(1mk)**

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b) State **TWO** reasons to explain why children require more energy-rich food than adults **(2mks)**

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10. a) While using a light microscope, Susan observed 10 cells along the diameter of a field of view with a radius of 3mm. Calculate the estimated diameter of one cell **(2mks)**

b) Give **TWO** advantages of using an electron microscope in biological studies **(2mks)**

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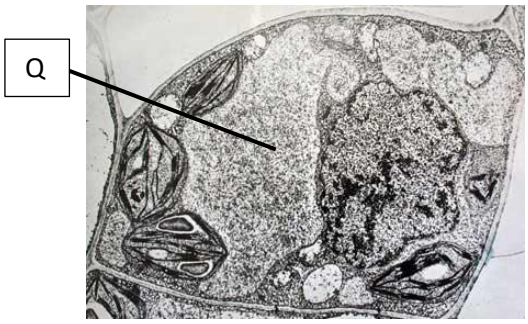
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11. Study the photomicrograph shown below to answer the questions that follow



a) Give **TWO** reasons why the illustration above is a plant cell **(2mks)**

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b) Explain how part **Q** is important to the function of a root hair cell **(2mks)**

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12. a) State **TWO** adaptive features that increase surface area in the ileum **(2mks)**

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b) Give **TWO** functions of the operculum in a fish **(2mks)**

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13. James wrote the scientific name of an organism as VIBRO cholerae

a) Write the scientific name above correctly using the rules of binomial nomenclature **(1mk)**

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b) What is the advantage of referring to organisms by their scientific names **(1mk)**

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14. State **TWO** ways osmosis is important to the body of a dog **(2mks)**

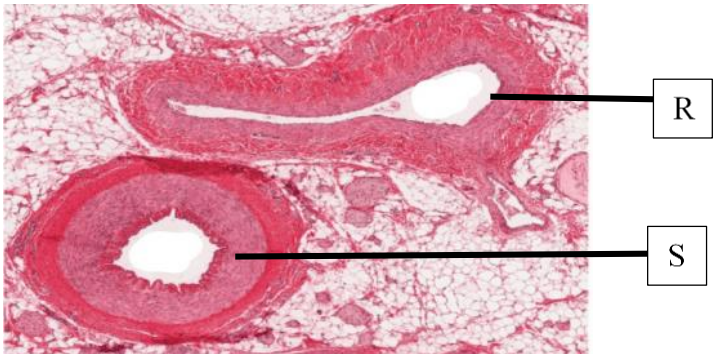
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15. The following diagram is a cross-section of blood vessels



a) Identify the blood vessel labelled **(2mks)**

i) R: ……..

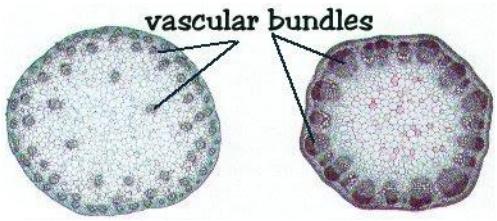
ii) S: ……..

b) Which letter represents the blood vessel that: **(2mks)**

i) Carries blood of high pressure **……**

ii) Has valves along its length **…….**

16. The diagram shown below represents cross section of stems of different plants



P **Q**

a) Which letter represents the stem of a monocot plant **(1mk)**

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

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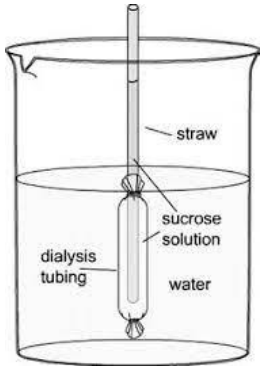
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c) State **TWO** ways in which **Q** will differ with a section of the root of the same plant

Q	Root

(2mks)

17. The set up shown below can be used to demonstrate a given physiological process



a) State the expected result on the level of sucrose solution in the straw **(1mk)**

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b) Account for your answer in a) above **(2mks)**

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18. a) Explain why

i) it is important to screen blood before transfusion **(1mk)**

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ii) A person of blood group **B** can not receive blood from a blood group **A** donor **(2mks)**

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19. The diagram below is a skull of an animal



a) Identify the mode of feeding of the animal represented above **(1mk)**

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

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c) Label the following parts in the diagram above **(2mks)**

i) incisor

ii) carnassial tooth

20. a) Distinguish between pulmonary circulation and systemic circulation **(2mks)**

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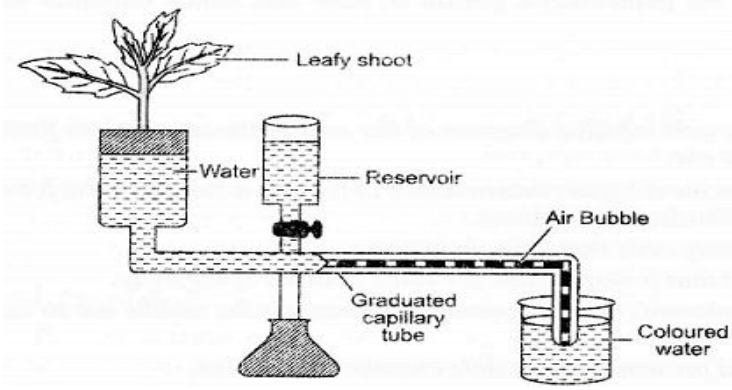
b) What is the importance of interventricular septum to the functioning of the heart **(1mk)**

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21. Study the set up shown below and answer the questions that follow



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a) Account for the observation made on the rate of movement of the air bubble when the setup is transferred to a windy area **(2mks)**

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b) Why is it advisable to cut the leafy shoot under water **(1mk)**

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22. Protein digesting enzymes like trypsin and pepsin are released in their inactive forms in the alimentary canal

a) What is the biological significance of this? **(1mk)**

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b) Name the compounds that convert these compounds to their active forms **(2mks)**

i) Trypsinogen ……

ii) Pepsinogen ……

23. Give **TWO** adaptations of the alveolus to its function **(2mks)**

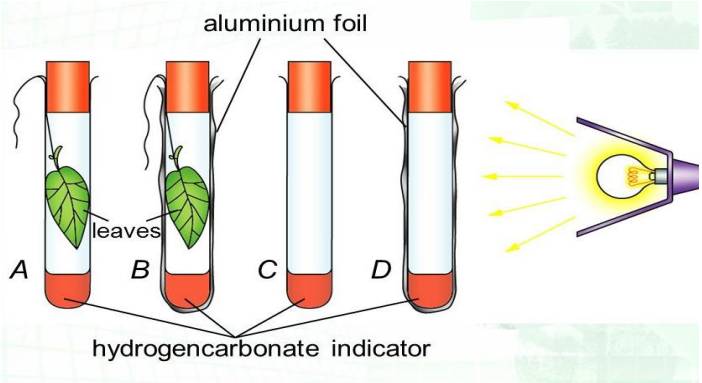
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24. Study the experimental setup shown below



a) What was the aim of the experiment? **(1mk)**

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b) Account for the expected observation in test tube **B** **(2mks)**

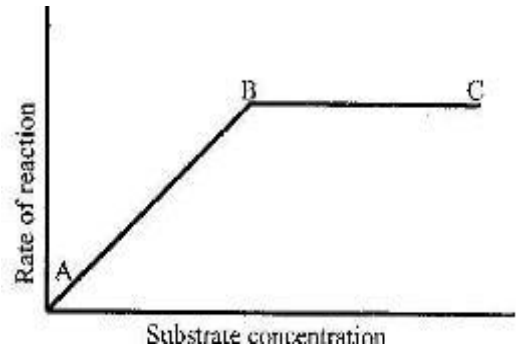
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25. Study the graph shown below



a) Account for the rate of enzymatic reaction in the **A-B** direction **(2mks)**

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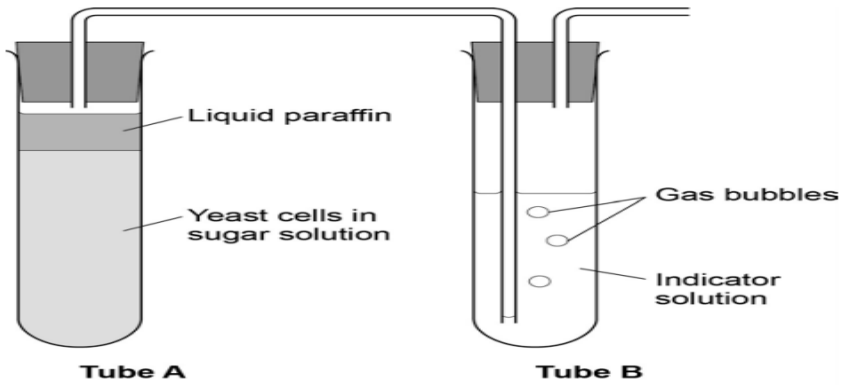
b) Give **TWO** limiting factors at **B-C** **(2mks)**

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26. Consider the experimental set up shown below



Account for the results obtained in test tube B in case boiled yeast was used **(2mks)**

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EXCELLING STUDENTS FORM TWO
END TERM 2 SERIES ONE EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

TERM 2
BUSINESS STUDIES 565/1

FORM TWO

TIME 2 Hours

INSTRUCTIONS TO CANDIDATES
- Answer all questions in the spaces provided

1. State four ways in which business studies is important to an individual **(4Mks)**

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2.Highlight four ways in which the COVID-19 pandemic has negatively impacted the matatu industry in Kenya **(4Mks)**

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3. State four characteristics of human wants **(4Mks)**

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4. Classify each of the following activities in its appropriate level of production. **(4mks)**

Activities	Level of production
i)Farming	
ii)Entertainment	
iii)Nursing	
iv)Road construction	

5. Highlight four circumstances under which a trader may transport his goods by air **(4Mks)**

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6. State four characteristics of economic resources. **(4mks)**

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7. Name the document described in each of the following statements **(4Mks)**

a) Used to politely ask for payment before goods are delivered

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b) Used to inform the buyer that the order has been received and is being worked on

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c) Used to correct and undercharge

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d) Used to acknowledge a debt

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8. Outline four reasons why one would prefer a letter to a telephone to send a message. **(4Mks)**

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9. State four advantages of using a cheque to make a payment compared to cash **(4Mks)**

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10. Identify the office equipment described in each of the statements below **(4Mks)**

a) Used to make postage stamp impressions on envelopes

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b) Used to transmit verbal messages

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c) Used to store confidential documents and valuable items

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d) Used to record and store information in audio tapes

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11. State four features of a private limited company **(4Mks)**

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12. State four roles of an entrepreneur in production. **(4Mks)**

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13. Outline four benefits that a consumer get from warehousing. **(4mks)**

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14. Highlight four functions of the Kenya External trade Authority (KETA) **(4Mks)**

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15. State the unit of carriage for each of the following modes of transport. **(4Mks)**

Mode of transport	Unit of carriage
a)Porterage	
b)Sea	
c)Cartage	
d)Air	

16. State four limitations of consumer initiated methods in protecting consumers from exploitation by some traders. **(4Mks)**

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17. Explain five factors that may limit entrepreneurial growth in Kenya **(10Mks)**

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18. Discuss five circumstances under which a partnership may be dissolved. **(10Mks)**

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19. State and explain any four types of wholesalers **(8Mks)**

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20. Explain four essentials a good warehouse **(8Mks)**

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EXCELLING STUDENTS FORM TWO
END TERM 2 SERIES ONE EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

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

INSTRUCTIONS:

- Write your **name** and **other details** on the space provided above
- Answer **all** the questions in the spaces provided for each question.
- All working **must** be clearly shown where necessary.
- Mathematical tables and non-programmable electronic calculators may be used.

For Examiners Use Only

Questions	Total marks	Student's score
1 - 27	80	

1. Draw a diagram of the apparatus used to measure accurately 250 cm^3 of liquids or solutions. **(1mk)**

2. In the laboratory, there are two types of flames; **with reasons**, state which flame is used for:

(a) Heating**……** **(1mk)**

(b) Lighting**……** **(1mk)**

3.Define the term drug abuse. **(1mk)**

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4. Shanty accidentally mixed iron fillings, iron (III) chloride crystals and sulphur powder. Describe how she would obtain each of the substances separately. **(3mks)**

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5. Classify the following as either chemical or physical changes. **(5mks)**

Process	Type of change
Electrical conductivity by copper wire	
Rusting of an iron nail	
Sublimation of iodine	
Burning candle wax	
Attraction of iron filings by a magnet	

6. Matter exists in three states. Describe how particles behave in each state according to kinetic theory of matter.

(a) Solid state: **(2mks)**

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(b) Liquid state: **(2mks)**

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(c) Gaseous state: **(2mks)**

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7. Explain how acid rain can be formed. **(2mks)**

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8. Solutions may be classified as strongly basic, weakly basic, neutral, weakly acid, or strongly acidic. The information below gives solutions and their pH values. Study it and answer the questions that follow. Classify the solutions in the table using the stated classifications. **(2Mks)**

Solution	pH value	Nature of solution
B	0.5	
C	6	

9. A farmer tested soil in his farm and found out that its pH was 5.5. This was below the recommended pH of 7.0. Suggest how the farmer could achieve the recommended pH of soil in his fam. **(1mk)**

10. Name **three** gaseous components of unpolluted air. **(3mks)**

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11. (a) Zinc reacts with dilute sulphuric (VI) acid to produce a colourless gas. Write an equation for the reaction. **(1mk)**

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(b) Describe a test for the colourless gas. **(2mks)**

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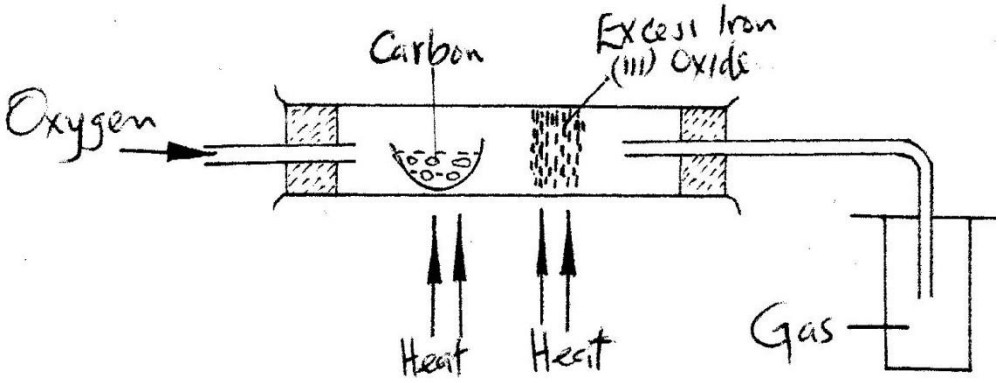
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12. The set – up below was used to obtain a sample of iron metal.



(a) Write **two** equations for the reactions which occur in the combustion tube. **(2mks)**

Equation 1: .....

Equation 2: .....

(b) Name the gas collected in the gas jar. ..... **(1mk)**

(c) Give **two** uses of carbon (II) oxide that are also uses of hydrogen. **(2mks)**

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13. (a) Name **one** natural source of water for a chemical industry. **(1mk)**

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(b) Kerosene is a **hydrocarbon**. Name the product of burning kerosene that is a liquid at room temperature. **(1mk)**

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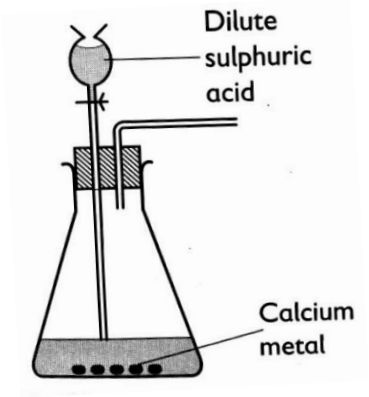
(c) Metal **Y** can displace metal **X** from its oxide. Hydrogen can reduce the oxide of metal **X**. Metal **X** does not react with water, while metal **Y** reacts with water moderately. Metal **Z** reacts with explosively with water. Arrange the metals and hydrogen from the most reactive. **(1mk)**

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14. The set-up below was used to prepare a gas **Q**.



(a) Complete the diagram to show how a dry sample of gas **Q** may be collected. **(2mks)**

(b) Give a reason why calcium is not the most appropriate metal for use in this preparation. **(1mk)**

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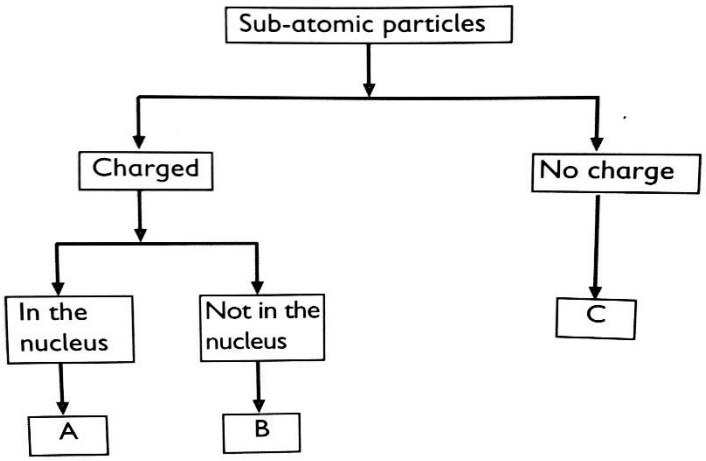
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(c) Write an equation for the reaction for the formation of gas **Q**. **(1mk)**

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15. Complete the key shown below for sub atomic particles. **(3mks)**



Key

A: ……

B: ……

C: ……

16. The relative atomic mass of element Y which consists of the isotopes ^{20}Y and ^{22}Y is 20.2. Calculate the percentage of the atoms in the isotopic mixture. **(3mks)**

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17. The ionic radii of the ions of Q and R are given as follows: Q^{2+} = 2,8,8 and R^{-} = 2,8.

(a) Complete the table below: **(2mks)**

Element	Group	Period
Q		
R		

(b) Write the formula of the product formed when Q and R react. **(1mk)**

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18. The halogens are a group of non-metals in Group VII of the Periodic Table.

(a) Describe an experiment which shows that chlorine is more reactive than iodine. Include a chemical equation in your answer. **(3mks)**

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(b) State **two** observations made when warm sodium metal in a deflagrating spoon is lowered in a gas jar full of chlorine gas? **(2mks)**

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(c) Write an equation for the reaction in (b) above. **(1mk)**

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19. The following table gives the number of protons in the nucleus of some elements. The letters do not represent the actual symbols of elements. Use it to answer the questions that follow.

Element	E	F	G	H	I	J	K	L
Number of protons	3	12	6	17	10	19	14	35

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(a) Which elements belong to the same group of the periodic table? **(2mks)**

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(b) How will the reactivity of element **F** compare with that of element **E**? Explain**.** **(2mks)**

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20. The atomic numbers of elements **X** and **W** are 11 and 16 respectively.

(a) Write the electronic arrangements of the elements. **(1mk)**

Element X…… Element W……..

(b) Predict the type of bonding in the product formed if elements **W** and **X** were to be reacted. Give the formula of the resulting compound. **(2mks)**

Type of bond…… Formula of compound …….

21. The table below show the physical properties of some substances. Use it to answer the questions that follow.

Substance	Melting point (°C)	Boiling point (°C)	Electrical conductivity	
			Solid	Liquid
U	1083	2595	Good	Good
V	801	1413	Poor	Good
W	6	80	Poor	Poor
X	-114	-84	Poor	Poor
Y	3550	4287	Poor	Poor

(a) Which substance is likely to be; **(1mk)**

(i) A metal? …… (ii) A liquid at 22°C? …….

(b) Which substance is likely to have the following structures? **(3mks)**

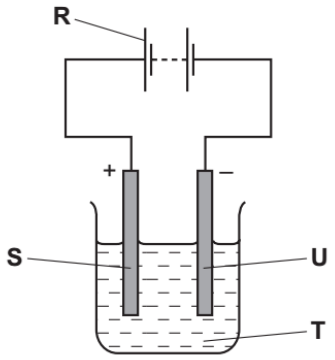
(i) Simple molecular structure …….

(ii) Giant ionic structure ……

(iii) Giant atomic structure ……

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22. The diagram below shows the apparatus used for the electrolysis of molten sodium bromide.



(a) What does the term electrolysis mean? **(1mk)**

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(b) Which letter **R, S, T** or **U** on the diagram represents the cathode? **(1mk)**

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(c) State the observation made at the anode. **(1mk)**

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(d) Which **condition** is missing in the set-up? …… **(1mk)**

(e) Write the half equation for the reaction at: **(2mks)**

(i) Cathode: ……

(ii) Anode: ……

23. Name the instrument that is used to accurately determine the relative atomic masses of elements. **(1mk)**

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24. Sketch a heating curve to illustrate the heating curve of pure water from 20^{o}C to boiling. **(1mk)**

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25. Name the type of bond and structure of each of the following: **(2mks)**

(a) Aluminium

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(b) Silicon

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(c) Chlorine

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(d) Diamond

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26. Using iodine molecule, illustrate the difference between covalent bonds and weak Van der Waals forces of attraction. **(2mks)**

27. Use dot (.) and cross (x) to show bonding in tetrachloromethane (carbon tetrachloride) CCl_4 **(2mks)**

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EXCELLING STUDENTS FORM TWO

END TERM 2 SERIES ONE EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

TERM 2
COMPUTER STUDIES 451/1

FORM TWO (2)

TIME: 2 Hours

INSTRUCTIONS TO CANDIDATES

• Answer ALL questions.

1.(a) Define the term software as used in computer **(1mks)**

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(b) Distinguish between data and information **(2mks)**

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2. State **two** characteristics of random access memory **(2mks)**

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3. Differentiate between POST and BIOS as used in computing **(2mks)**

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4. Explain the following types of computer buses **(3mks)**

(i) Data bus

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(ii) Address bus

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(iii) Control bus

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5.List **four** factors to consider when purchasing a printer **(2mks)**

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6. Discuss **five** functions of the computer operating system **(10mks)**

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7.Distinguish between warm and cold booting computer **(2mks)**

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8. Explain **three** ways the operating system does memory management **(6mks)**

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9. Differentiate between disk defragmentation and disk partitioning **(2mks)**

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10. Explain **two** reasons why the recycle bin is important in a computer **(2mks)**

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11. The formula =K$6+$H14 is typed in cell M20 and copied to call P36.write the new formula. **(2mks)**

12. State four measures that can be taken to protect a computer users' eyes **(4mks)**

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13. Define the term ICT. **(1mks)**

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14. (a) Florence IT intern Nyamira girls was asked to format a flash disk in windows XPS . the trainee formatted the hard disk by mistake.

(i) Explain the term disk formatting **(2mks)**

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(ii) Explain **two** situations when the computer user will be required to format a hard disk. **(4mks)**

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(b) List **three** possible consequences of the mistake made by the intern **(3mks)**

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15. (a) use the texts given below apply various change case provided **(4mks)**

(i) nYAMIRA –toggle case

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(ii) Nyamira Girls High School –sentence case

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(c) Read the passage bellow and answer the questions that follow.

Using the Sum IF Function

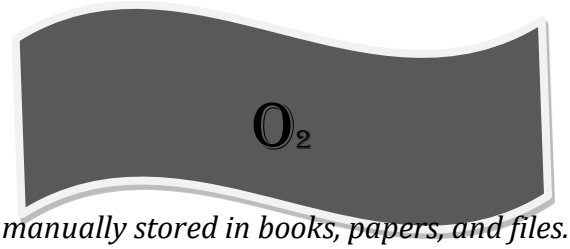
oday, you can use computerized special programs called database management systems to manage data more ~~conveniently~~.

In real life situations, information on;

i.) *Students records*

ii.) Patient records in hospitals

iii.) Employee records



iv.) Stock in a supermarkets among others is manually stored in books, papers, and files.

Identify and explain **five** formatting features used in the passage **(10mks)**

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16. (a) Explain **two** types of cell referencing **(4mks)**

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(b) Explain **three** reasons why it is important to install uninterruptable power supply in an office. **(3mks)**

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(c) Explain the following cell data types as used in spreadsheets **(3mks)**

(i) Label

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(ii) Function

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(iii) value

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17. (a) Distinguish between static random access memory dynamic random access memory **(2mks)**

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(b) Explain **four** examples of read only memory **(8mks)**

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(c) Give three differences between CD-R and CD-RW **(3mks)**

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18. (a) define the term spreadsheets **(1mks)**

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(b) State four advantages of using an electronic spreadsheet over manual spreadsheets **(4mk)**

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(c) Mr. Oguta obtained the following mark in an examination: 76, 80, 98, 67.if the values are written at cells **C5:C9**, write;

(i) A formula that will be used to sum all the marks **(2mks)**

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(ii) A function that will be used to calculate the average all the marks **(2mks)**

(iii) A function that will be used to rank **76** in ascending order give that it is in cell **C5** **(2mks)**

(iv)A function that can be used for grading each mark provided .given that >=80 Distinction,>=70 Credit and <=69 Pass. **(2Mks)**

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EXCELLING STUDENTS FORM TWO

END TERM 2 SERIES ONE EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

TERM 2

CHRISTIAN RELIGIOUS EDUCATION (QUESTION PAPER)

FORM TWO

TIME 2 HOURS

INSTRUCTIONS: ANSWER ALL THE QUESTIONS

1 a) Identify eight historical books in the old testament **(8mks)**

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b) Identify six responsibilities given to human beings by God in the Genesis stories of creation. **(6mks)**

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c) Give six reasons why Christians should forgive. **(6mks)**

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2 a) From the Exodus story state how God showed concern for the Israelites in the wilderness **(7mks)**

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b) Identify six types of sacrifices and offerings that were given by the Israelites in the wilderness **(6mks)**

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c) Outline the nature of the Canaanite Religion. **(7mks)**

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3a) Outline the message of Angel Gabriel to Mary in Luke 1:26-38 **(6mks)**

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b) Describe four activates that took place during the dedication of Jesus in the Temple (Luke 2: 22-40). **(8mks)**

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c) Identify six qualities shown by Jesus when He accompanied His parents to the Temple at the age of twelve **(6mks)**

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4a) State five teachings of Jesus from the sermon on the plain. **(5mks)**

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b) Describe the incident in which Jesus calmed the storm (Luke 8:22-25) **(10mks)**

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c) What lessons do Christians learn from the temptation s of Jesus. **(5mks)**

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5a) Name six places in which worship took place in Traditional African communities **(6mks)**

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b) State the traditional African understanding of spirits. **(6mks)**

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c) What is the responsibility of the living towards the ancestors in traditional African communities **(8mks)**

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EXCELLING STUDENTS FORM TWO
END TERM 2 SERIES ONE EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2

ENGLISH (101)

FORM TWO (2)

Time: 2½ Hours

INSTRUCTIONS TO CANDIDATES.

(a) Write your Name and Adm Number in the spaces provided.
(b) Sign and write the date of examination in the spaces provided.
(c) Answer all questions in this paper.
(d) All your answers must be written in the spaces provided.
(e) This paper consists of **11** printed pages.
(f) Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.
(g) Candidates **must** answer all the questions in English.

The paper consists of FOUR sections as follows

SECTION 1	WRITING	20MKS
SECTION 2	COMPREHENSION	20MKS
SECTION 3	ORAL SKILLS	25MKS
SECTION 4	GRAMMAR	15MKS
	TOTAL	**80MKS**

1. FUNCTIONAL WRITING **(20MKS)**

You traveled to South Africa three weeks ago for a business trip which would last for three years. Your younger brother who is in form three has sent you his end of term one results and to your surprise, he has drastically dropped. Write a letter to your elder who is at home requesting him to offer pieces of advice to your brother on the poor academic performance.

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2.COMPREHENSION **20 MARKS**

Read the passage below and answer the questions that follow

Substance Abuse has emerged in recent decades as a major concern both on and off the job. Although reasons vary, substance abuse can be a way that some people try to manage or reduce distress.
But it is important to be clear on what is generally meant by a drinking problem. In all cases related to alcohol abuse, a common factor is the unfavorable effect alcohol has on the health or well-being of the drinker and his or her associates. Common signs and symptoms that frequently indicate a drinking problem include being constantly absent from work, causing on-the-job accidents and expressing grievances most of the time.

Alcoholic employees can sometimes go undetected for years. Coworkers cover up for those unable to perform their jobs because of drunkenness. Even managers may be adept at concealing their alcohol abuse problems. Their secretaries or loyal associates may cover up for them.
Alcoholics can be clever at inventing "credible" excuses when detected: "I must have a drink or two when I'm entertaining customers, of course."
Drug abuse, or drug addiction, exists when the taking of drugs, whether prescribed or non-prescribed, legal or illegal, causes difficulties in any area of an individual's life. Years ago, the stereotype of the drug user was either of a glazed-eyed musician frantically beating his sticks on a tight skin or a person who dwelt in a slum. Mass publicity on drug abuse has long since caused that stereotype to fade from view.
Complicating the ongoing war on drugs are changes in public attitude and drug-use patterns. It sometimes seems that no sooner is progress made in combating one illegal drug than a different kind of substance abuse comes into vogue. Ethyl alcohol was the social drug during prohibition (1920-1933), marijuana became the social drug of the 1960s and 1970s and some observers believe that crack cocaine and possibly ecstasy – another so-called upper – became the social drugs of the 1980s and 1990s. The drug of choice and people's attitude toward them may change, but the problem of drug abuse appears to be continuing unabated.
Pinpointing the specific symptom of alcohol and drug abuse problems is not a simple task. A supervisor's main responsibility therefore should not necessarily be uncovering evidence of dependency on alcohol and drugs but instead being observant for declining job performance. Yet there are certain behavioral patterns that some excessive users of alcohol and drugs display. These patterns can sometimes be spotted through simple observation. Increasingly though, employers are taking more aggressive steps to ferret out substance abuse among their workforces. A growing number of companies, especially large ones with many employees and those in business with potential to effect public health or safety, are adopting drug-testing programmes.
The signs of alcohol dependency, unfortunately, do not always become manifest until the middle of the late stages of the problem. No wonder some managers have mistaken an employee's euphoric appearance for the "look of love". The earlier treatment begins, naturally, the earlier treatment begins, naturally, the easier it will be. A person could experience some isolated incidents of such drinking problems without necessarily being a alcoholic, however, alcohol abuse usually results in declining job performance.
Because there are many symptoms of drug abuse, no one person would exhibit all of them and a supervisor should guard against assuming that the presence of one or more symptoms is conclusive of alcohol or drug abuse.

Questions

1. What is the main reason given for substance abuse? **(2mks)**

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2.From paragraph two, state three ways in which alcohol abuse can unfavorably affect the workmate of a drunker? **(3mks)**

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3.According to the passage, what is drug abuse? **(2mks)**

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4.What was the common misconception about who a drug user was? **(2mks)**

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5. Rewrite the following sentences using "as soon as"

It sometimes seems that no sooner is progress made in combating one illegal drug than a different kind of substance abuse comes into vogue. **(1mk)**

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6.What can we infer about "prohibition"? **(2mks)**

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7. In not more than 55 words, summarize the reasons that make it difficult to effectively deal with substance abuse. **(4mks)**

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8. Why do you think the author of the passage cautions supervisors against hastily concluding that one is a drug abuser? **(2mks)**

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9. Explain the meaning of the following words as used in the passage. **(2mks)**

(i)credible

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(ii) stereotype

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3.ORAL SKILLS 25 MARKS

a. Study the oral literature below and answer the questions that follow. (10marks)

Teddy told Terry to tick ten tall ticks.

i. Identify the genre above. **(1mks)**

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ii. Which sound features has the above genre employed? Explain any three. **(6mks)**

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iii. Give three functions of the genre above **(3mks)**

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b. Why is it important to respect people's personal space? **(5mks)**

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c. Underline the silent letter in each of the following words. **(4mks)**

i. Fasten-

ii. Salmon-

iii. Logically-

iv. Reign-

d. Which word is pronounced as the each of the following? **(2mks)**

i. World-

ii. War-

e. State whether you will use rising or falling intonation in each of the following sentences **(2mks)**

i. Come here!

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ii. Did you see the teacher?

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4.GRAMMAR (15 MARKS)

1. Use the correct preposition to fill in the blanks below (4marks)

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i. The students were doubtful _____ the issue of assured security in the school compound.

ii. He was attached _____ the robbery case.

iii. The student was told to admit _____ the mistake or being expelled from school.

iv. Her father finally agreed to insure his tractor _____ against the accident

2. **Join the following sentences using appropriate coordinating conjunction.** **(3mks)**

i. I love to travel. I hate travelling by water.

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ii. He arrived at school late. He left home early.

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iii. You should go to bed now. You will be tired tomorrow.

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3. Underline the noun phrases in each of the following sentences. **(3mks)**

a.He wishes to see the president.

b. My best friend is Jeff.

c.The girl in black dress is my girlfriend.

4. Complete the sentences below using the most appropriate indefinite pronoun. **(2mks)**

a.Does _____ know her?

b. We will get you _____ you are. You can't hide for long.

5. Change the following sentences into passive voice. **(3mks)**

a.The mechanic changed the flat tire.

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b.They will send her a dismissal letter.

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c.The terrible news shocked everyone.

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EXCELLING STUDENTS FORM TWO
END TERM 2 SERIES ONE EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

TERM 2
GEOGRAPHY (QUESTION PAPER)

FORM 2

TIME 2 HOURS 30 MINUTES

INSTRUCTIONS:

a). Write your name, class and Admission number in the spaces provided above.
b). Answer all the questions
c). All answers must be written in the space provided in this booklet.

SECTION A

1.a) What is Environment? **(2mks)**

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b) Name two scientific theories used to explain the origin of solar system. **(2mks)**

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2.a) What is Isostacy? **(1mk)**

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b) Differentiate between lava and magma. **(2mks)**

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3.a) Name two dates of Equinoxes in a year. **(2mks)**

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b) List down two processes through which atmosphere is heated. **(2mks)**

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4.a) Name two isothermal layers of atmosphere. **(2mks)**

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b) Highlight two conditions necessary for the formation of fog. **(2mks)**

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5.a)i) What is the specific shape of the earth? **(2mks)**

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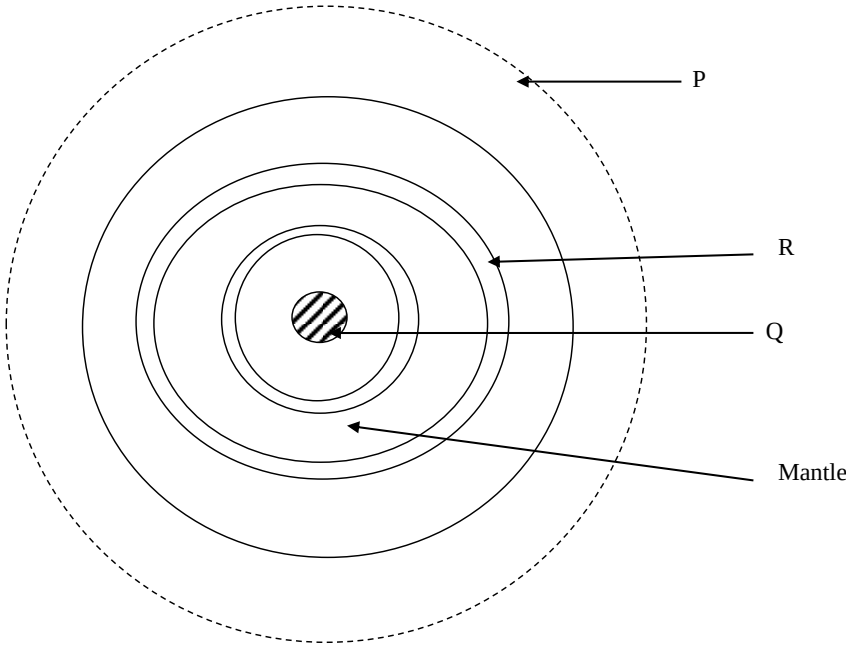
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ii) At town X on longitude 37^{o}E local time is 1.00 p.m. What time would it be at town Y which is on longitude 10^{o}W? **(3mks)**

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b) The diagram below represents the structure of the earth. Use it to answer the questions that follow.



i) Name parts marked. P, Q & R **(3mks)**

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ii) State two characteristics of mantle. **(2mks)**

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SECTION B

6. The table below shows four principal crops produced in Kenya in the years 2000, 2001 and 2002. Use it to answer the questions that follow.

CROPS	AMOUNT IN METRIC TONS		
	2000	2001	2002
Maize	200,000	370,000	280,000
Wheat	70,000	130,000	100,000
Coffee	98,000	55,000	80,000

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a) Calculate the total crop production for the year 2001. **(2mks)**

b) Calculate the percentage increase in coffee production between year 2001 and 2002. **(2mks)**

c) Using a scale of 1cm to represent 50,000 metric tons, draw a comparative bar graph to represent the above data in the graph paper provided. **(8mks)**

(PROVIDE A GRAPH PAPER)

d) State three advantages of using comparative bar graph. **(3mks)**

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7.a) What is a photograph? **(2mks)**

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b) Name three types of photographs. **(3mks)**

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c) Name three major parts of a photograph. **(3mks)**

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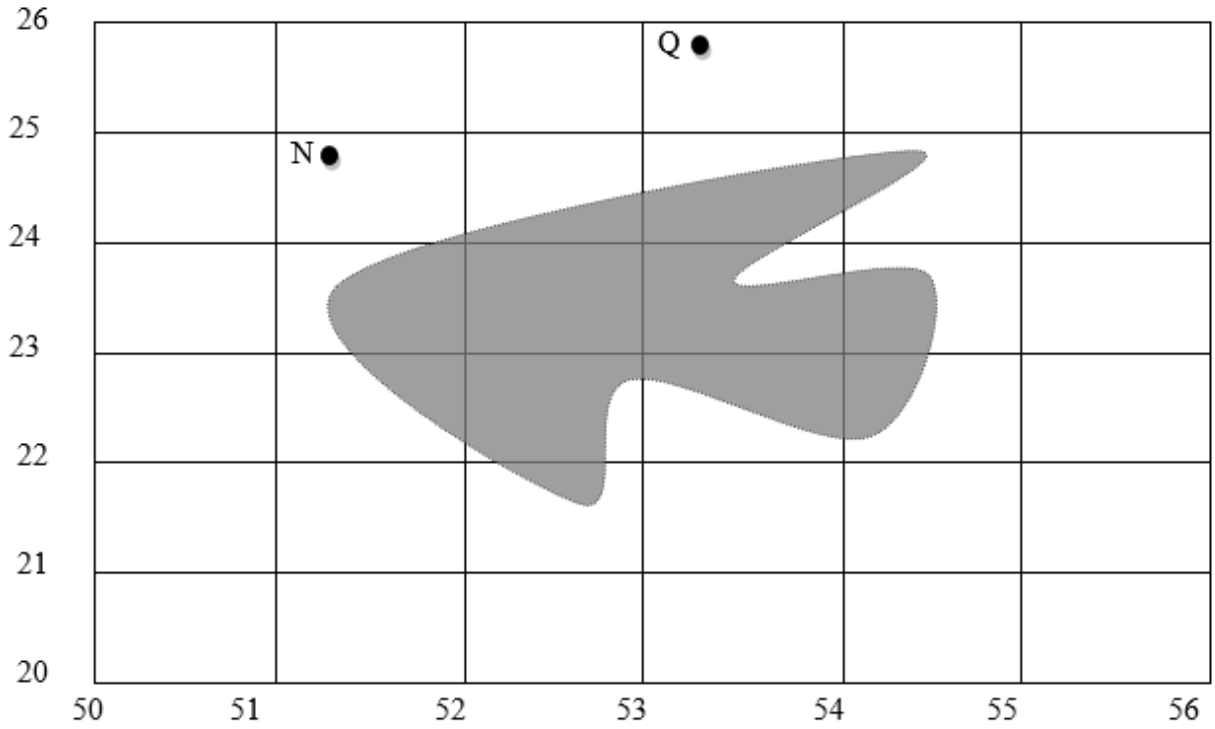
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8.The diagram below represents a section of a topographical map. Use it to answer the questions that follow.



a) If one grid square represents 1km^2, calculate the area of the forest/shaded part in the above diagram.**(2mks)**

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b)i) Give four figure grid reference for letter N. **(2mks)**

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ii) What is the bearing of letter Q from N? **(2mks)**

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c) List down three methods of representing relief on topographical maps. **(3mks)**

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d) Name three expressions of north as used on topographical maps. **(3mks)**

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e) i) Convert the scale 1:100,000 into a statement scale. **(2mks)**

ii) Convert the following statement scale into R.F scale. **(2mks)**
1cm rep 5km

9.a) What is faulting. **(2mks)**

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b) Name three types of faults. **(3mks)**

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c) Name three block mountains in East Africa. **(3mks)**

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e) With the aid of well labeled diagram, explain the formation of Rift Valley by tension forces. **(7mks)**

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10.a) State three modes of occurrence of minerals. **(3mks)**

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b) Give three uses of soda ash. **(3mks)**

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c) Explain how mining is done using the shaft method. **(7mks)**

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d) Students in form two from your school are planning to conduct a field study on soda ash mining in L. Magadi.

i) State three preparations they would make for the study. **(3mks)**

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ii) Give three methods that they would use to collect data. **(3mks)**

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iii) State two follow up activities for their study. **(2mks)**

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EXCELLING STUDENTS FORM TWO
END TERM 2 SERIES ONE EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2
HISTORY AND GOVERNMENT (311)
FORM TWO (2)
Time: 2½ Hours

INSTRUCTIONS TO THE CANDIDATES:

- *This paper consists of **three** sections **A, B** and **C.***
- *Answer **all** questions in section **A, three** questions from section **B** , and **two** questions from section **C***
- *Answers to **all questions** must be written in a separate booklet provided.*

SECTION	QUESTIONS	MARKS
A	1-17	
	18	
	19	
	20	
	21	
	22	
	23	
	24	

TOTAL

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SECTION A (25marks)

(Answer all questions in this section)

1. State one limitation of written sources of information on History and Government **(1mk)**

2. Identify two ways in which Homo erectus attempted to improve his life **(2mks)**

3. Name one type of dwelling used by early man during Stone Age period **(1mk)**

4. Give one reason why early agriculture was done along the river valleys **(1mk)**

5. State one way in which poor transport has led to food shortage in the Third World **(1mk)**

6. Name one community in Kenya that belong to the Southern Cushites **(1mk)**

7. Identify the main reason why the Mijikenda lived in Kayas **(1mk)**

8. Give two evidence to show that the Chinese reached Kenyan coast before 16th Century **(2mks)**

9. State two ways in which mission stations promoted the spread of Christianity in Kenya **(2mks)**

10. Define the term dual citizenship **(1mk)**

11. Identify one symbol of national unity in Kenya **(1mk)**

12. Give two main trade items during Trans-Saharan trade **(2mks)**

13. State two methods used to acquire slaves during West Africa during Trans-Saharan trade (**2mks)**

14. Outline one way in which development of wheel promoted early transport **(1mk)**

15. Identify one advantage of using pipeline over vehicles in transporting oil **(1mk)**

16. Give two uses of bronze in early Egypt **(2mks)**

17. State the main factor for the growth of Kilwa as an early urban center in Africa **(1mk)**

SECTION B (45 MARKS)

(Answer any three questions in this section)

18 a) State five reasons which influenced the migration of Plain Nilotes to their present homeland in Kenya **(5mks)**

b) Explain five results of the migration and settlement of the Maasai during the pre-colonial period **(10mks)**

19 a) Identify five factors that led to the growth of towns along the Kenyan coast before 19th Century **(5mks)**

b) Explain five reasons for the decline of the Portuguese rule along the coast in the 19th Century **(10mks)**

20 a) State five roles of the Tuaregs during the Trans-Saharan trade **(5mks)**

b) Describe five positive effects of the Trans-Saharan trade on the people of West Africa **(10mks)**

21 a) Give five reasons why Britain was the first country to industrialize in Europe **(5mks)**

b) Explain six ways in which the development of iron technology affected African communities **(12mks)**

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

22a) State three circumstances under which citizenship by registration can be revoked **(3mks)**

b) Explain six civic responsibilities of a Kenyan citizen **(12mks)**

23 a) Give three ways in which education promote national unity in Kenya **(3mks)**

b) Explain six peaceful ways methods of conflict resolution in the society **(12mks)**

24 a) Identify three human rights that have no limitations **(3mks)**

b) Explain six ways in ways in which the Bill of Rights protect rights of the individuals **(12mks)**

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EXCELLING STUDENTS FORM TWO
END TERM 2 SERIES ONE EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2
HOME SCIENCE (441/1)
FORM TWO (2)
Time: 2 Hours

.Instructions to students

a) Write your name, admission number and class in the spaces provided
b) Sign and write the date of the examination in the spaces provided
c) This paper consists of **three** sections: **A**, **B** and **C**
d) Answer **all** the questions in sections **A** and **B** and any **two** questions from section **C**
e) Answers to all the questions must be written in the spaces provided in the paper
f) This paper consists of 16 printed pages
g) Students should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing
h) Students should answer the questions in English

For examiner's use only

Section	Question	Maximum Score	Student's Score
A	1- 21	40	
B	22	20	
		20	
		20	
TOTAL SCORE		100	

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SECTION A: (40 marks)

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

1. State **two** functions of carbohydrates in the body. **(2mks)**

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2. Give **four** disadvantages of using metal spoons when cooking. **(2mks)**

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3. Identify **two** reasons why pork should be thoroughly cooked before serving. **(2mks)**

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4. List **two** methods of disinfecting loose coloured cottons. **(1mk)**

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5. Mention **three** dangers of using medication wrongly. **(3mks)**

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6. Give **two** categories of permanent stitches. **(1mk)**

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7. State **two** ways of preventing development of dandruff on the scalp. **(2mks)**

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8. List **four** substances added to soap to improve its efficiency. **(2mks)**

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9. Identify **two** dangers of poor hand hygiene in a school cook. **(1mk)**

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10. Give **two** methods of removing dirt from clothes. **(1mk)**

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11. Mention **two** reasons for repairing clothes. **(2mks)**

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12. Identify the **two** ways man-made fibres are classified. **(1mk)**

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13. State **two** ways of maintaining healthy nails. **(2mks)**

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14. Mention **four** things that can stain the clothes of a sick person. **(2mks)**

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15. Identify **three** signs of worm infestation. **(3mks)**

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16. Give **three** reasons why pockets should be emptied before washing. **(3mks)**

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17. Draw **four** symbols that may be found on a dark loose coloured cotton shirt. **(2mks)**

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18. Outline **three** dangers of poorly built congested houses in urban areas. **(3mks)**

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19. Give **two** differences between a soak pit and a cesspool. **(2mks)**

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20. Mention **two** reasons why classroom windows should be kept open during the day. **(1mk)**

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21. Identify **two** reasons for clearing bushes around the home. **(2mks)**

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SECTION B: (20 marks)

COMPULSORY

Answer question 22 in the spaces provided.

22. Your sister is celebrating her 21st birthday and your parents are throwing a party for her and her friends

a) Outline the procedure you will follow in cleaning the wooden floor in the dining room. **(8mks)**

b) Describe how you will clean the silver platter to be used in serving. **(5mks)**

c) Give the steps you will follow in laundering her sheer silk blouse for the occasion **(7mks)**

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SECTION C: (40 marks)

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

23.

a) Outline **five** factors that determine the choice of cooking method. **(5mks)**

b) Explain **three** disadvantages of using hard water in laundry. **(6mks)**

c) Citing an example in each case, give **five** reasons for cleaning a house. **(5mks)**

d) Mention **four** uses of lipids in the body. **(4mks)**

24.

a) Outline **four** ways of eliminating malaria infections. **(4mks)**

b) Give **three** qualities of a good kitchen knife. **(3mks)**

c) Mention **three** ways of maintaining the appearance of clothes. **(3mks)**

d) Give **four** ways of avoiding cracks on the feet. **(4mks)**

e) Discuss **three** reasons why linen is used in making dish cloths. **(6mks)**

25.

a) Mention **four** rules to observe when removing stains. **(4mks)**

b) Explain **four** ways of enhancing health in young people. **(8mks)**

c) Discuss **three** ways insecurity can lead to malnutrition. **(6mks)**

d) Give **four** general information found on a garment care label. **(2mks)**

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EXCELLING STUDENTS FORM TWO
END TERM 2 SERIES ONE EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2

ISLAMIC RELIGIOUS EDUCATION

FORM TWO (2)

Time: 2 Hours

INSTRUCTIONS:

1. This paper contains five (8) questions.

2. Answer all questions

3. Write your answers in the answer sheet provided.

4. All answers must be in English.

1.a) State the reasons why mankind needed revelation of the Qur'an. **(5mks)**

b) Explain the lessons that Muslims can learn from the last three verses of Surah Al-Bagarah. **(7mks)**

2.a) Discuss the reasons why the prophet (p.b.u.h) discouraged the writing of Hadith during his time. **(4mks)**

b) Give the characteristics of Hadith in the 2nd period of growth and development. **(4mks)**

c) Explain the ways in which the swahabas helped in the transmission of Hadith. **(6mks)**

3.a) Explain four types of Tawaf. **(4mks)**

b) State the significances of swalatul ja'mah. **(7mks)**

4.a) Give the different manifestations of shirk al Akbar. **(4mks)**

b) Discuss briefly the trials of each of the ulul Azm prophets. **(5mks)**

c) Mention any six characteristics of angels. **(6mks)**

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5.a) What is the importance of practising Husunul Khulq. **(4mks)**

b) What are the examples of Munkarat. **(4mks)**

c) Explain the principals of Islamic morality. **(6mks)**

6.a) Give five reasons why the family is considered as the foundation of Islamic society. **(5mks)**

b) What is the rationale behind the prophets marriages in Islam. **(5mks)**

7.a) Identify four human rights issues in the Madina constitution that are found in modern charters and constitutions. **(4mks)**

b) State five themes found in the prophets farewell speech. **(5mks)**

c) Derive lessons from the battle of Badr. **(5mks)**

8.a) Give a brief biography of sheikh Al-Amin Mazrui. **(5mks)**

b) State the lessons Muslims can learn from sheikh Abdallah Farsy. **(5mks)**

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EXCELLING STUDENTS FORM TWO
END TERM 2 SERIES ONE EXAMS

JINA: ……

SHULE: ……

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

KISWAHILI KIDATO CHA PILI

MTIHANI WA MUHULA WA PILI

MUDA: SAA 2 ½

Maagizo

(a) Andika jina lako na nambari yako katika nafasi ulizoachiwa juu.
(b) Tia sahihi yako kisha uandike tarehe ya mtihani katika nafasi ulizoachiwa hapo juu.
(c) Jibu maswali yote.
(d) Majibu yote yaandikwe katika nafasi ulizoachiwa.
(e) Majibu yote ni lazima yaandikwe kwa lugha ya Kiswahili
(f) Usitoe ukurasa wowote kutoka kwenye mtihani huu.
(g) Karatasi hii ina kurasa 8 zilizopigwa chapa.
(h) Watahiniwa ni lazima wahakikishe kwamba kurasa zote za karatasi hii zimepigwa chapa sawasawa na kuwa maswali yote yamo.

Kwa matumizi ya mtahini pekee.

SWALI	UPEO	ALAMA
1	15	
2	40	
3	15	
4	10	
JUMLA	80	

1). <u>UFAHAMU (Alama 15)</u>

Soma Makala yafuatayo kisha ujibu maswali.

Miaka michache iliyopita, kila aliyekuwa amesoma alikuwa na bahati ya kupata kazi katika ofisi za humu nchini. Wote waliofika darasa la saba au pengine kidato cha pili na zaidi wale waliofuzu mtihani wa kidato cha nne, walinyakuliwa juu kwa juu na wizara mbalimbali za serikali au pengine waliandikwa kazi na makampuni. Kwa vile kila mmoja wao alipata kazi ya kuajiriwa, hakuna aliyejishugulisha na kazi za mtu binafsi kama useremala, uashi, ukulima, uvuvi na kadhalika – kazi kama hizo ziliachiwa wale tu ambao hawakupata fursa ya kuenda shule.

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Siku hizi mambo yamebadilika. Licha ya kuwa na elimu ya darasa la saba au kidato cha pili na pengine cha nne, hata wale wenye shahada za vyuo vikuu nao pia wamezifungia shahada hizo mashubakani zikiota ukungu huku wenyewe wakijipurukusha kulima au kufuga; na wale ambao bado hawajakata shauri kama hili, wako barabarani wakipiga lami.

Wakoloni walifanya kosa moja kubwa sana ambalo tumeligundua tu baada ya kunyakua uhuru wetu. Kosa lenyewe ni lile la kuwafanya wananchi waliopata elimu wasipende kushika kazi zinazochafua mikono. Walijua tu kwamba mashamba yao na hata mitambo yao ingalifilisiwa na ile ya waafrika; kwa hivyo ingaliwabidi hata wao waje wawatumikie wenyeji. Ndipo walipokata shauri kutowaamsha waliolala ili wasije wakalala wao.

Katika karne hii, wataalamu wameshawishika kuitumia elimu yao kufanya kazi za mashamba, ujenzi na ufundi wa mitambo. Ijapokuwa baada ya kazi kama hizo mikono huwa imejaa tope au masizi, pato lake ni kubwa ajabu, jambo la kuvutia zaidi katika makazi kama haya ni kwamba mwananchi huwa ni 'bwana' mwenyewe, hujitegemea mwenyewe bila kochokocho.

Kila moja wetu anaelewa kinaganaga kwamba kazi kama ya ukulima huleta donge kubwa zaidi ya kazi zote; kwani kila mfanyikazi humwelekea mkulima baada ya kumaliza kazi yake. Mkulima naye hutoa jasho jingi wakati wa kulima shamba. Baadaye atapekua magugu na visiki aviweke katika matita ili aviteketeze moto. Baada ya muda kidogo atapanda na angoje hadi mbegu zake zianze kuchipuza. Mara maua huchanua na mazao kujionyesha. Baada ya kuvuna, kazi yake kubwa huwa ni kuanika na kuanua nafaka zake. Wakati huo, mazao yake huwa yatanga mara yuapanga mara yuapangua mipango juu ya uuzaji. Mazao yafikapo nyumbani, pengine mkulima huipamba nyumba yake na akawaita marafiki zake ili awakirimu kwa vyakula na vinywaji. Karamu ikiisha hana budi kupambua mapambo yote. Huyoo, aenda kuuza bidhaa zake; akirudi yuakaa raha mstarehe akila na kuburudika pamoja na familia yake. Je kuna kazi yenye raha zaidi ya ukulima?

Watu wengi hufikiria maana ya neno 'kulima' ni kushika jembe tu. Hiyo si kweli kwani kuna ukulima namna nyingi, kama vile ufugaji wa ng'ombe, mbuzi au kuku. Hata ufugaji wa samaki au utunzaji wa nyuki pia waweza kuitwa ukulima. Dhamira ya taifa letu changa ni kuwapatia mwangaza wananchi wake waliomo mashuleni, kwamba wangojewa kwa hamu wajiunge na wenzao katika kulijenga taifa lenye nguvu, ili katika kujisaidia wenyewe pia waongeze pishi katika kulipa taifa mwongozi mema yasiyokinai kazi zilizokuwa zikiitwa 'chafu' lakini ambazo ndizo hasa kiini cha maendeleo na kujitegemea.

Maswali.

(a) Kipe kifungu hiki anwani mwafaka **(alm1)**

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(b) Eleza sababu tatu zilizochangia kupuuzwa kwa kazi za kiufundi na ukulima. **(alm2)**

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(c) Bainisha lengo la wakoloni kukata shauri kutowaamsha waliolala? **(alm2)**

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(d) Unafikiri mwandishi alikuwa na dhamira gani kwa wasomaji wake? **(alm2)**

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(e). Fafanua mambo matatu yanayochochea watu kupendelea ukulima kwa mujibu wa kifungu **(alm3)**

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(f) Kwa kurejelea kifungu hiki, fafanua maana ya 'wamezifungia shahada hizo mashubakani zikiota ukungu huku wenyewe wakijipurukusha kulima au kufuga' **(alm2)**

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(g) Eleza maana ya semi hizi kama zilivyotumiwa katika taarifa: **(alm3)**

i).Kata shauri **……**

ii). Kuwa bwana **……**

iii) masizi**……**

2. MATUMIZI YA LUGHA (ALAMA 40)

a) Linganisha sauti zifuatazo; **(alm2)**

/p/ na /b/

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b) Nyuzi za sauti hutumiwa kuainisha sifa gani za vitamkwa? **(alm1)**

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……

c) Tia shadda katika maneno yafuatayo**;** **(alm2)**

ukuta

mkulima

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d) Tunga sentensi moja moja kuonyesha matumizi ya viakifishi vifuatavyo **(alm2)**

i) ritifaa

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ii)mshazari

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e) Tumia o-rejeshi tamati kuunganisha sentensi zifuatazo **(alm2)**

i) Mwanafunzi anasoma

ii) Mwanafunzi hupita mtihani

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f) Tambua aina ya vitenzi katika sentensi hizi

Mtoto angali mgonjwa **(alm3)**

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Rais aliweza kushinda uchaguzi

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g) Geuza sentensi ifuatayo katika usemi wa taarifa; **(alm2)**
'Unaitwa nani?' Mwalimu alimuuliza

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h) Changanua sentensi ifuatayo kwa njia ya mistari **(alm4)**

Wananchi wengi walijiandaa vizuri lakini kiongozi huyo hakufika mapema

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i) Geuza sentensi hii katika udogo wingi. **(alm2)**

Mtu huyu atanunua shamba mwaka ujao

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j) Andika sentesi hii upya ili neno lililopigwa mstari liwe kitenzi. **(alm1)**

Alikuwa na <u>majuto</u> kwa makosa yake

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k) Tambua aina za virai katika sentensi hii **(alm3)**

Wake mrembo atawasili kesho jioni.

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l) Andika kinyume cha sentensi hii **(alm2)**

Baba alinisifu kwa kutia bidii shuleni

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m) Tunga sentensi ukitumia maneno yafuatayo ili kudhihirisha matumizi ya kauli ya kutendama (**alm2)**

i) ganda

ii) ficha

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n) Yakinisha kifungu hiki**.** **(alm2)**

Babu hakula wala kushiba

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o) Akifisha

Lo ni nani huyo anayemshambulia mwanangu jirani yangu aliuliza **(alm3)**

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p) Nomino zifuatazo zinapatikana katika ngeli zipi? **(alm2)**

i) kiwete**…….**

ii) ukuta**…….**

q) Tunga sentensi katika wakati uliopita hali timilifu **(alm2)**

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r) Bainisha viambishi katika neno hili; **(alm3)**

Aliyetuletea

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3. FASIHI SIMULIZI (ALAMA 15)

Soma kifungu ulichopewa kisha ujibu maswali

Asiyesikia la mkuu huvunjika guu

a) Tambua kipera hiki cha utanzu wa fasihi simulizi **(alm1)**

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b) Mbali na kipera hiki, bainisha vipera vingine vitano vinavyopatikana katika utanzu huu. **(alm5)**

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c) Fafanua vigezo vinne vya kuainisha kipera hiki **(alm4)**

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d) Kipera hiki kina umuhimu upi katika jamii yako? **(alm5)**

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4. ISIMU JAMII (ALAMA 10)

a) Taja na ueleze hadhi tatu za lugha**.** **(alm3)**

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b) Eleza changamoto tano zinazokumba lugha ya Kiswahili nchini Kenya **(alm5)**

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c) Eleza nadharia mbili za chimbuko la Kiswahili. **(alm2)**

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EXCELLING STUDENTS FORM TWO
END TERM 2 SERIES ONE EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

MATHEMATICS (QUESTION PAPER)
FORM 2
TIME 2½ HOURS

INSTRUCTIONS:

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

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SECTION 1

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

SECTION 2

17	18	19	20	21	22	23	24	Total

GRAND TOTAL

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SECTION I (50 Marks)

1. Evaluate: $\frac{-8 \times -8 + 6}{-3 + (-8) \div 2 \times 4}$ **(3mks)**

2. A number k is formed by writing all the prime numbers between 0 and 10 in ascending order. Another whole number p is formed by writing all the square numbers between 0 and 10 in ascending order. Find k-p.

(3mks)

3. Use tables of cubes, square roots and reciprocals to evaluate: **(4mks)**

$$\frac{6}{(3.6446)^3 - \sqrt{709.85}}$$

4. A tourist arrived in Kenya with US Dollars 3000 which he exchanged into Kenya shillings. He spent Ksh.100, 000 on hotel accommodation and Ksh.80, 000 on travel and other expenses. He changed the remaining money into sterling pounds. Calculate how much money in sterling pounds that he remained with using the following rates. (Leave your answer to the nearest 1£)

(3mks)

	Buying(Kshs)	Selling (Kshs)
1 US dollar($)	100.00	101.00
1 Sterling pound(£)	120.27	120.00

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5. Evaluate: $\dfrac{\frac{5}{6}of\left(4\frac{1}{3}-3\frac{5}{6}\right)}{\frac{5}{12}\times\frac{3}{25}+1\frac{5}{9}\div2\frac{1}{3}}$ **(3mks)**

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

7. Convert $2.\dot{4}\dot{5}$ into a fraction in its simplest form. **(3mks)**

8. Show that 8260439 is exactly divisible by 11, using test of divisibility. **(2mks)**

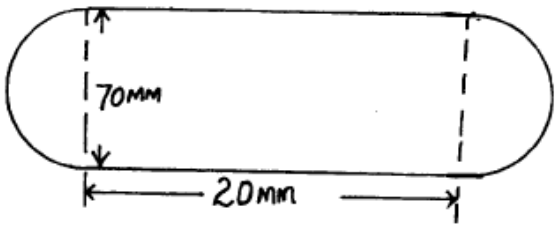
9. Find the possible values of x in the equation $9^{2X} = 27^{(2X+12)}$ **(3mks)**

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10. 2000 cm^3 of milk of density 0.9g/cm^3 were added to 1200 cm^3 of water of density 1g/cm^3. Calculate the density of the mixture. **(4mks)**

11. 18 men take 15 days to dig 6 hectares of land. Find how many men are required to dig 8 hectares in 12 days. **(3mks)**

12. The figure below (not drawn to scale) shows the cross-section of a metal bar of length 3 metres. They are equal semi circles.



Determine the mass of the metal bar in kilograms if the density of the metal is 8.87g/cm^3. **(4mks)**

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13. Four light signals are programmed at intervals of 40 seconds, 50 seconds, 60seconds and 75 seconds. What is the earliest time they will give out light signals simultaneously if the last time they did this was at 8.15a.m? **(3mks)**

14. Given that x is an acute angle and $\cos x° = {}^{5}/_{13}$ find, without using mathematical tables or a calculator, $\tan (90 — x)°$. **(2mks)**

15. Find the equation of the line perpendicular to $3x – 7y – 20 = 0$, and passes through the point (5,2). **(3mks)**

16. Two similar containers have capacities of $540cm^3$ and $160cm^3$. The small one has a base area of $25cm^2$. Find the height of the larger one. Leave your answer to (4sf). **(4mks)**

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SECTION II (50 marks)

17. A train left Mombasa on Monday evening and travelled to Kisumu according to the travel time table below. The train arrived in Kisumu on Wednesday morning of the same week.

Mombasa	dep.	1930 h
Mtito Andei	arr.	0250 h
	dep.	0335 h
Nairobi	arr.	1050 h
	dep.	1240 h
Nakuru	arr.	1900 h
	dep.	2015 h
Kisumu	arr.	0900 h

(a) Determine the time the train took to travel between. **(4mks)**

(i) Mombasa and Mtito Andei

(ii) Mtito Andei and Nairobi

(iii) Nairobi and Nakuru

(iv) Nakuru and Kisumu

(b) Calculate the total time for the whole journey. **(4mks)**

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(c) Given that the railway road distance between Mombasa and Kisumu is 1 200 km, calculate the average speed of the train **(2mks)**

18. Copy and complete the tables (i) and (ii) below for the functions y = 7 – 3x and y = 2x – 8 respectively

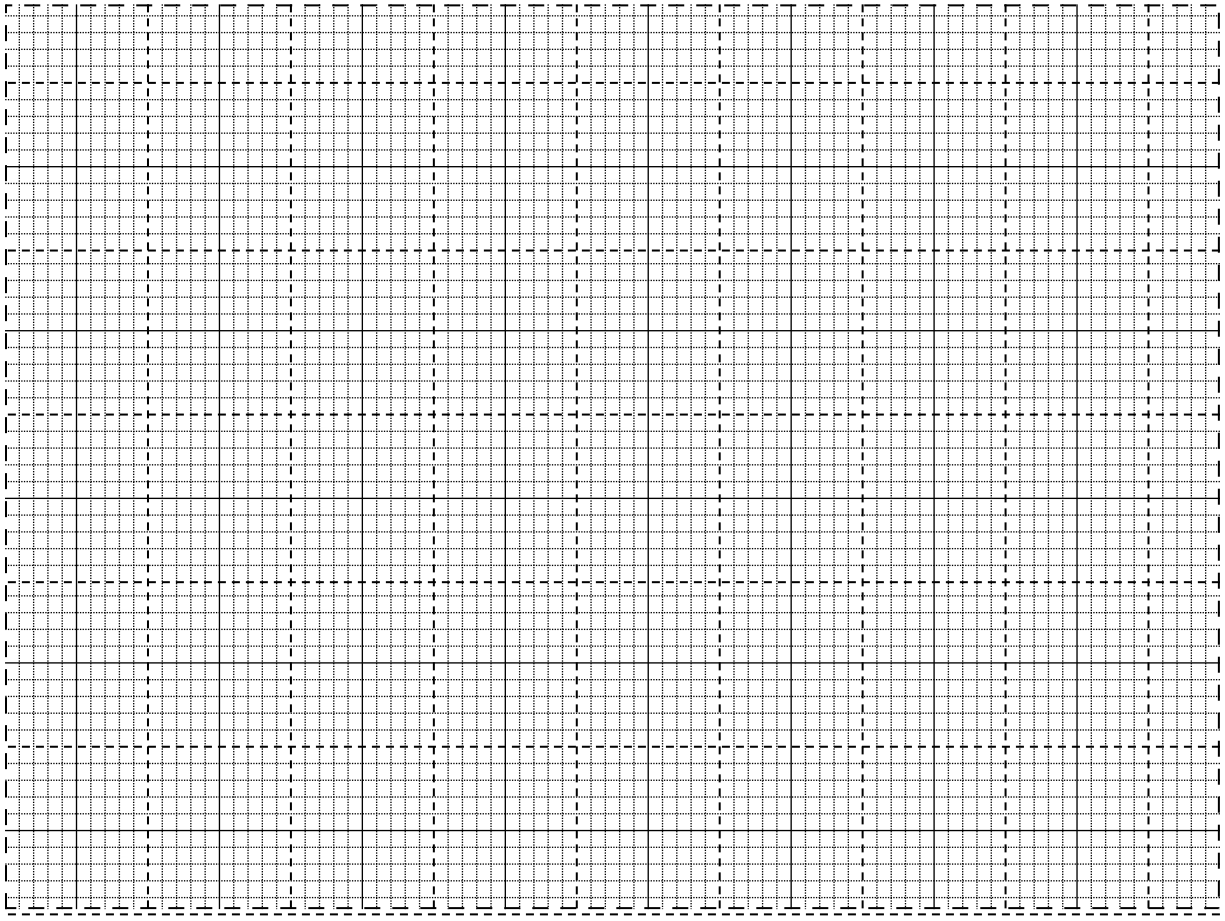
(a) (i) *y = 7 – 3x* **(2mks)**

x	-2	-1	0	1	2	3	4	5
y	13		7					-8

(ii) *y = 2x - 8* **(2mks)**

x	-4	-2	0	2	4	6	8	10
y	-16		-8			4		

(b) On squared paper and on the same grid draw the graph of y = 7 – 3x and y = 2x – 8 **(4mks)**



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(c) . What is the nature of the two graphs you have drawn? **(1mk)**

(d) . State the coordinates of point of intersection of the graph drawn above **(1mk)**

19. Tom and Joseph decided to start a business. Tom contributed sh 40000 and Joseph contributed sh 64000. The two men agreed that in any year 20% of the profit shall be divided equally between them and 30% of the remaining profit will be used to meet the cost for running the business the following year. They also agreed to share the rest of the profit in the ratio of their contributions. The profit made after first year was sh 86400.

a) How much money did they set aside towards the cost of running the business for the second year? **(2mks)**

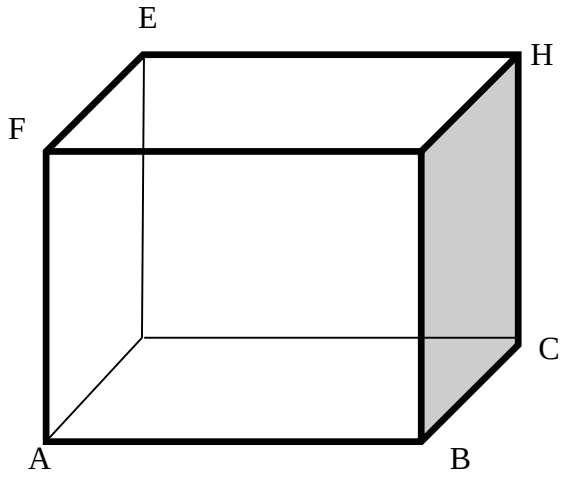
b) How much did Joseph receive at the end of the first year? **(4mks)**

c) Tom bought goats with his share of the profit. If each goat costs sh 1850, how many goats did he buy? **(4mks)**

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20. (a). The volume of a closed cylinder of radius 7cm is $1540cm^3$. Take $\pi = \frac{22}{7}$ .calculate its height and total surface area. **(5mks)**

b). The figure below represents a closed cuboid ABCDEFGH with a rectangular base. AB = 12cm, BC = 5cm and CH = 15cm.Calculate the surface area of the cuboid. **(5mks)**



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21. Four towns P, R, T and S are such that R is 80km directly to the north of P and T is on a bearing of 290° from P at a distance of 65km. S is on a bearing of 330° from T and a distance of 30 km. Using a scale of 1cm to represent 10km, make an accurate scale drawing to show the relative position of the towns. **(4mks)**

Find:

(a) The distance and the bearing of R from T. **(3mks)**

(b) The distance and the bearing of S from R. **(2mks)**

(c) The bearing of P from S **(lmk)**

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22. Use ruler and a pair of compasses only in this question.

(a) Construct triangle ABC in which AB = 7 cm, BC = 8 cm and $\angle ABC = 60^0$.

(b) Measure

(i) Side AC

(ii) ∠ ACB

(c) Construct a circle passing through the three points A, B and C. Measure the radius of the circle.

(d) Construct Δ PBC such that P is on the same side of BC as point A and ∠ PCB = ½ ∠ ACB, ∠ BPC = ∠ BAC measure ∠ PBC.

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23. Lines L_1 is given by equation y = -2x +4 and L_2 is 3x- y=1 intersect at T.

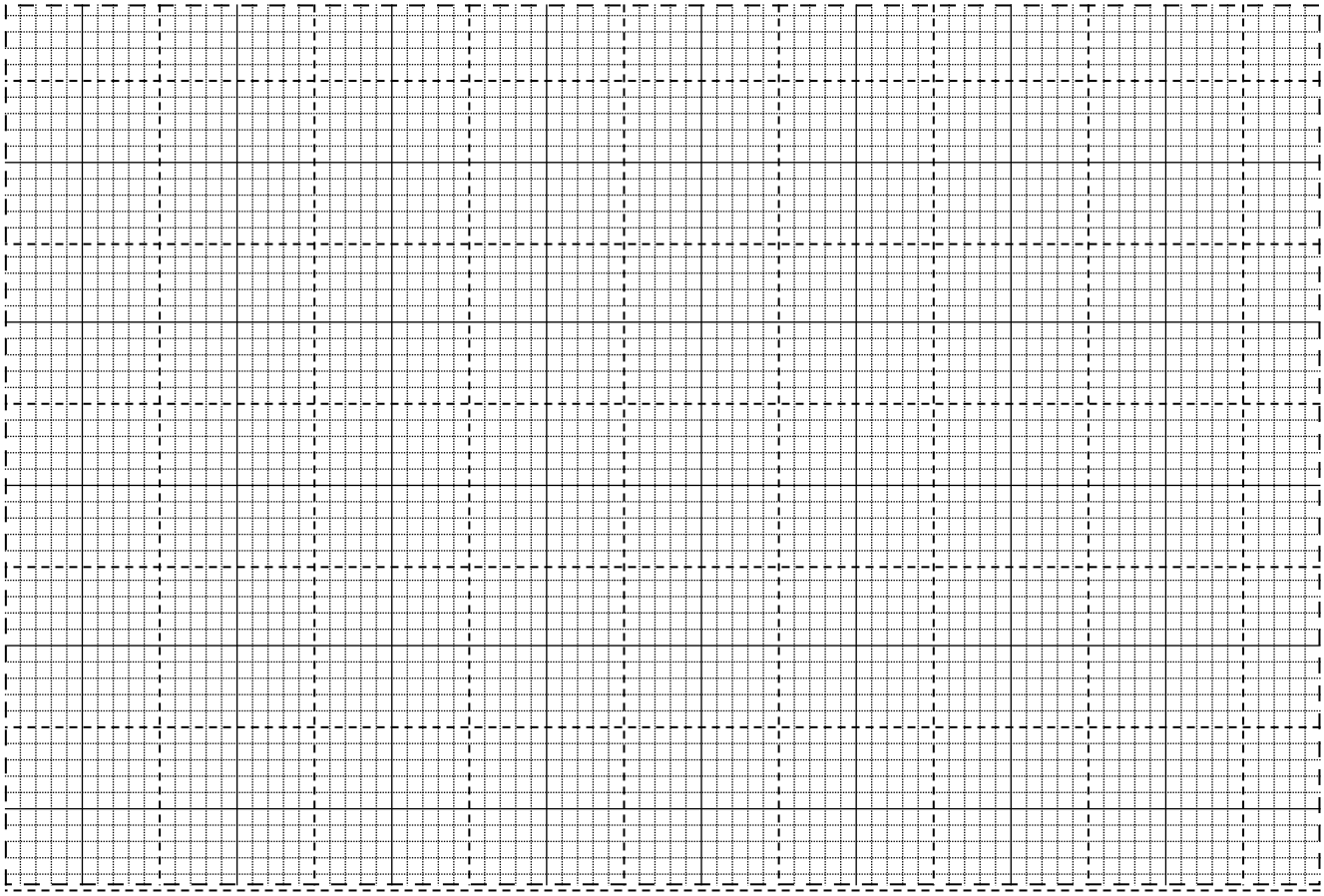
(a) Determine the co-ordinates of T. **(2mks)**

(b) Another line, L_3 is perpendicular to line L_2 and passes through point N (5,8). Determine its equation and leave the answer in the form of ax + by=c where a, b, and c are integers. **(4mks)**

(c) Determine the equation of a perpendicular bisector of a line segment passing through points T and N. **(4mks)**

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24. (a) On a graph paper, plot the points A (1,2), B (2,2), C(2,1), D(3,3) and join them to form a quadrilateral ABCD **(3mks)**



(b)(i) On the same grid, draw a quadrilateral A'B'C'D' which is the image of ABCD under enlargement center P (1, 1) and scale factor 3. **(3mks)**

(ii) On the same axes, draw a quadrilateral A''B''C''D'' with vertices A'' (-2,1) B''(-2,2) C''(-1,2) and D''(-3,3) **(2mks)**

(c) Describe fully transformation T which maps ABCD onto A'' B'' C'' D''**.** **(2mks)**

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EXCELLING STUDENTS FORM TWO
END TERM 2 SERIES ONE EXAMS

NAME: ……

SHOOOL: ……

ADM NO: ……. SIGN……..… DATE: ……..

Term 2
PHYSICS (232)
FORM TWO (2)
Time: 2 Hours

Instruction to candidates

- This paper consists of two sections: **A** and **B**
- Answer all questions in section **A** and **B** in the spaces provided
- All workings **must** be clearly shown, and Use the **CONSTANTS** given where necessary.

✓ **Gravitational acceleration, 'g' = 10m/s^2**
✓ **Density of fresh water = 1000kg/m^3**
✓ **Density of mercury = 13.6g/cm^3**

- Silent, non-programmable calculator may be used

FOR EXAMINER'S USE ONLY:

QUESTION	MARKS	CANDIDATES' SCORE
1-14	25	
15	12	
16	11	
17	13	
18	11	
19	08	
TOTAL	80	

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SECTION A (25 MARKS)

1. Mercury on a clean glass slide collects into small spherical balls as shown in figure 1 below. Explain why **(1mk)**

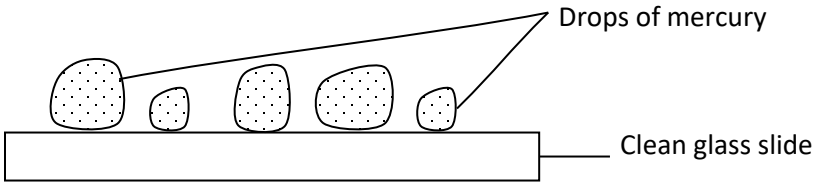


Figure 1

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2. Distinguish between natural and forced convection currents **(1mk)**

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3. The figure below shows how to determine the volume of an irregular solid by displacement method using a eureka can and a burette. The burette was initially empty before the solid was immersed into the eureka can. If the mass of the solid is 25g, determine the density of the irregular solid. (3 marks)

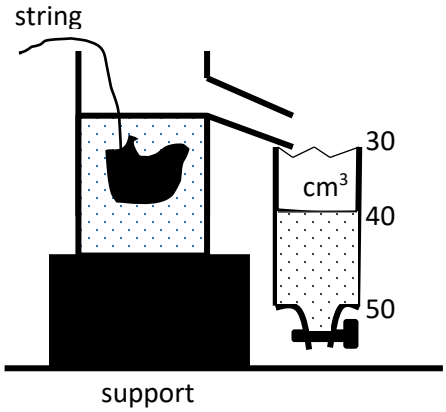


Figure 2

4. Give a reason why a concrete beam reinforced with steel does not crack when subjected to changes in temperature.**(1mk)**

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5. The figure below shows a scale of part of venier-caliper.

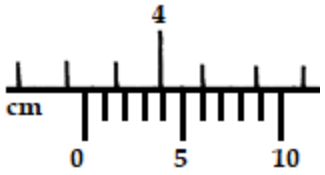


Figure 3

State the correct reading of the scale if the instrument has a zero error of -0.02cm. **(2mks)**

6. Define the term 'centre of gravity' of a body **(1mk)**

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7. The figure 4, below shows a circular ring of a thin steel washer. Determine the center of gravity of the washer. **(1mk)**

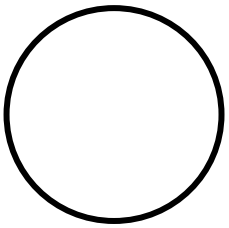


Figure 4

8. The figure 5, below shows a circuit diagram for controlling temperature of a room.

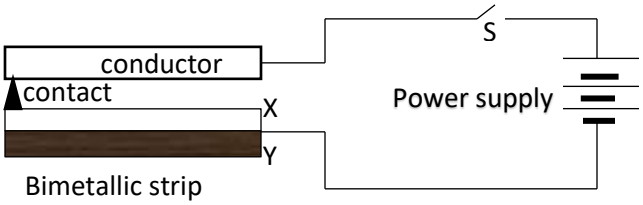


Figure 5

(a) Explain the purpose of the strip **(1mk)**

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(b) Describe how the circuit controls the temperature of the room when the switch, S is closed **(3mks)**

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9. The figure 6, below is a stop watch. Record the reading shown on its screen in the SI units**.** **(2mks)**

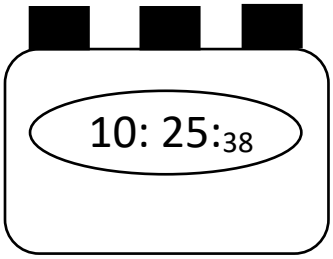


Figure 6

10. One of the laws of reflection of light is that: the angle of incidence and the angle of reflection are equal. State the other law. **(1mk)**

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11. It is advisable for a driver moving a vehicle on muddy soil to remove some air from the tyres. Explain **(2mks)**

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12. Two straight conductors carrying current are placed side-by-side as shown below in figure 7. Complete the diagram by showing the field due to the current and the direction of motion of the two conductors: **(2mks)**



Figure 7

13. State the advantages a diverging mirror has over a plane mirror when used as a rear- view in vehicles. **(2mks)**

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14. Using a ray diagram, illustrate how a barber may use a curved mirror as a shaving mirror **(2mks)**

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SECTION B (55 MARKS)

15.

(a) Define the following terms:

i.Focal point of a concave mirror **(1mk)**

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ii. Centre of curvature **(1mk)**

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(b) Figure 8 shows a ray of light incident on a convex mirror. Complete the diagram to show how the incident ray is reflected by the mirror. **(2mks)**

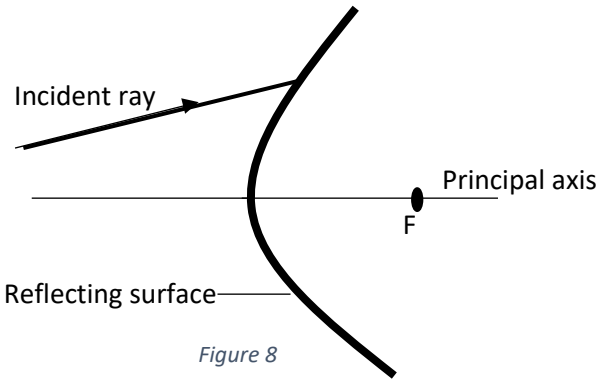


Figure 8

(c) Distinguish between a real and a virtual image. **(2mks)**

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(d) State ONE application of each of the following. **(2mks)**

a. Convex mirrors

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b. Parabolic mirrors

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(e) An object pin is placed between two plane mirrors as shown.

i. Determine the number of images which can be seen (show clearly your working) **(3mks)**

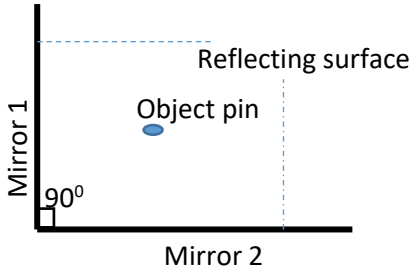


Figure 9

ii. Explain what is meant by a 'magnification' **(1mk)**

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16.

(a) State the basic law of magnetism **(1mk)**

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(b) Figure 10 shows an incomplete circuit of an electromagnet. Complete the circuit between X and Y by drawing the windings on the two arms of the core such that A and B are both North poles when the switch S is closed. Indicate the direction of the current on the windings drawn. **(2mks)**

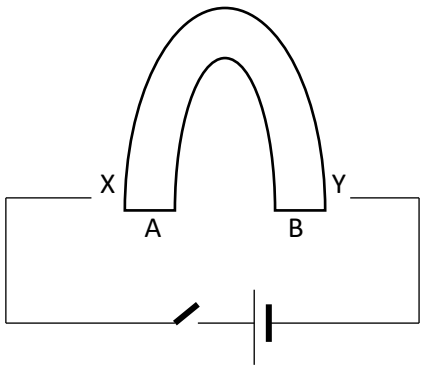


Figure 10

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(c) State **TWO** factors that affect the strength of an electromagnet **(2mks)**

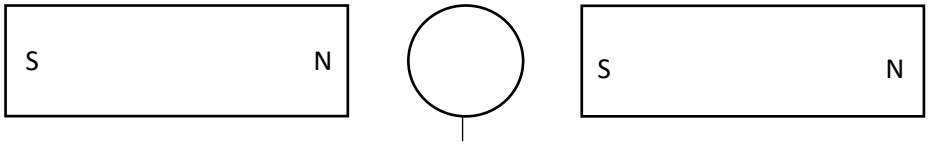
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(d) The figure below shows a circular soft iron plate placed between poles of two magnets.



Soft-iron plate

Figure 11

i. Sketch the magnetic field pattern between the two magnets **(1mk)**

ii. Give a reason why soft iron is used as a core of the coil of an electric bell. **(1mk)**

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(e) Figure 12, shows a horse- Shoe magnet whose poles are labeled and two other magnets near it. Iron nails are attracted to the lower ends of the magnets as shown. Identify the poles marked X and Y. **(2mks)**

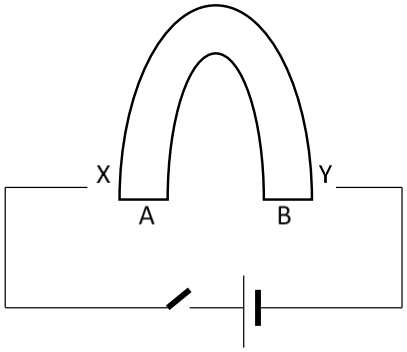


Figure 12

(f) Using domain theory, explain the difference between a magnet and magnetic material. **(2mks)**

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17.

(a)

i. Define 'electric current' and state it's SI unit **(2mks)**

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ii. A student learnt that a battery of eight dry cells each 1.5V has a total e.m.f of 12V the same as a car battery. He connected in series eight new dry batteries to his car but found that they could not start the engine. Give a reason for this observation **(2mks)**

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(b) Distinguish between a primary cell and a secondary cell. **(1mk)**

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(c) State two advantages of an alkaline cell over a lead acid cell **(2mks)**

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(d) A current of 0.08A passes in a circuit for 2.5 minutes. How much charge passes through a point in the circuit? **(3mks)**

(e)

i. State the basic law of electrostatics **(1mk)**

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ii. Name any two uses of a charged electroscope **(2mks)**

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18.

(a) The figure below shows a barometer being used for the measurement of atmospheric pressure in a given town.

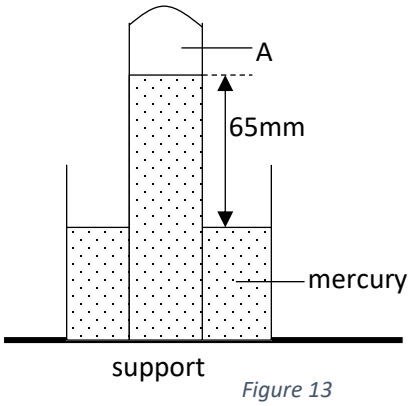


Figure 13

i. Identify the part labelled, A **(1mk)**

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ii. Determine the atmospheric pressure (in N/m^2) of the town **(3mks)**

iii. Explain how you would test for the part labelled, A **(2mks)**

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(b) A small drop of oil has a volume of $5 \times 10^{-8} m^3$. When it is put on the surface of some clean water, it forms a circular film of $0.lm^2$ in area;

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(i) What is the size of a molecule of oil? **(3mks)**

(ii) State two assumptions you make in your calculations? **(2mks)**

19.

(a) State the kinetic theory of matter **(1mk)**

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(b) The figure below is a beaker completely filled with water as shown:

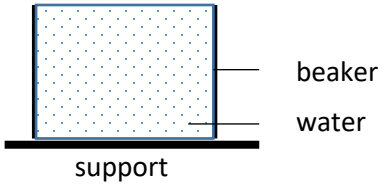


Figure 14

A certain mass of common salt is added into the beaker but the water did not spill. Explain. **(2mks)**

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(c) Suggest any two reasons why diffusion in gases is faster than in liquids **(2mks)**

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(d) Smoke is introduced into a transparent smoke-cell containing air. The smoke cell is well illuminated and then viewed under a microscope.

i.State the use of the microscope **(1mk)**

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ii. State the observation made in the microscope **(1mk)**

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iii. Explain the observation made in d, ii above (1 mark)

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