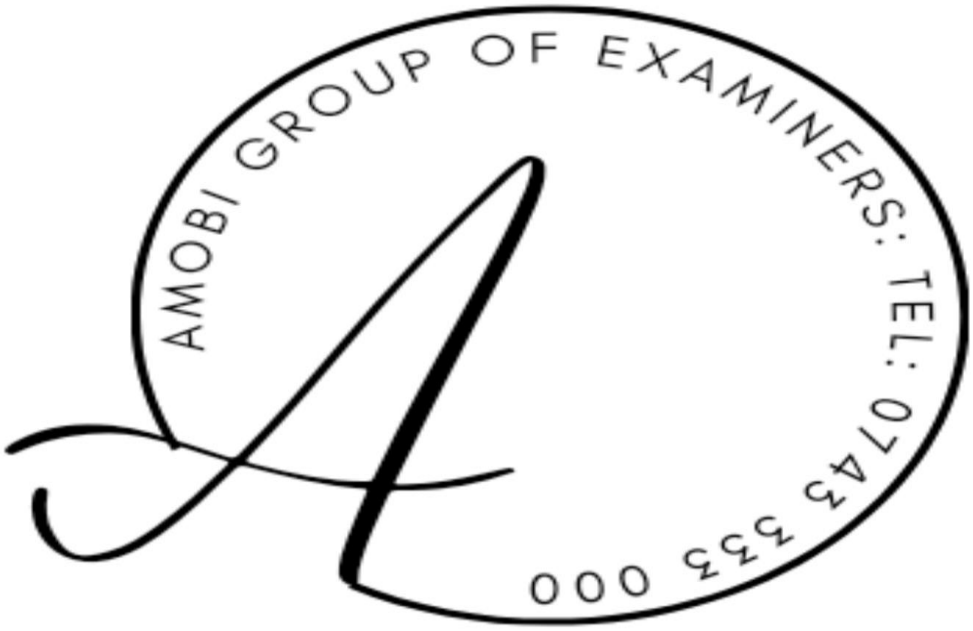
EXCELLING STUDENTS FORM 2 MID TERM 3 SERIES 1 EXAMS *(ALL SUBJECTS TESTED)*



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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. **KISWAHILI**
11. **MATHS**
12. **PHYSCIS**

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EXCELLING STUDENTS FORM 2 MID-TERM 3 SERIES 1 EXAMS

NAME: ……..……

SCHOOL: ……..

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

AGRICULTURE

FORM TWO (2)

Time: 2 Hours

INSTRUCTIONS TO CANDIDATES

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

FOR EXAMINERS USE ONLY

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A	1-25	40	
B	26-29	20	
C	30	20	
	31	20	
TOTAL SCORE		100	

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SECTION A: (40 MARKS)

ANSWER ALL QUESTIONS IN THE SPACE PROVIDED

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

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2.Name two tertiary operations carried out during land preparation **(1mk)**

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3.Name one livestock disease transmitted by each of the following parasites **(1½mks)**

(a) Blue tick

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(b) Brown ear tick

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(c) Tsetse fly

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4.Name three tools used in handling cattle during an agricultural exhibition **(1½mks)**

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5.Name two ways in which proper nutrition helps to control livestock diseases **(1mk)**

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6.Name four properties of clean and safe water for domestic use on the farm **(2mks)**

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7.Name four qualities that are considered when grading tomatoes for fresh market **(2mks)**

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8.Give the correct terms used for the following routine practices **(2mks)**

(a) Removal of extra suckers in a banana stool

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(b) Removal of old stems down to the level of top foliage in pyrethrum

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(c) Removal of suckers in coffee bushes

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(d) Removal and destruction of infected plants and plant parts

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9.Name two dual purpose breed of sheep **(1mk)**

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10. Name four non-pathogenic causes of diseases in livestock **(2mks)**

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11. Give four ways of applying fertilizers in the field of horticultural crops **(2mks)**

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12. Give four practices that help in achieving minimum tillage **(2mks)**

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13. State four reasons why most farmers do not use green manure in crop production **(2mks)**

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14. Outline four beneficial effects of soil organisms for plant growth **(2mks)**

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15. Give two practices that are carried out during the hardening off in tomato seedlings **(1mk)**

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16. State one use of each of the following **(1mk)**

(a) Spokeshave

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(b) Plumb bob

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17. Mention four advantages of raising seedlings in polythene sleeves **(2mks)**

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18. List four benefits a farmer may get by practicing crop rotation **(2mks)**

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19. Name the complementary tool for each of the following **(1mk)**

(a) Trocar

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(b) hand drill

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20. State two benefits of liming in crop production **(1mk)**

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21. Explain the following terms as used in fertilizers

(a) Fertilizer grade **(1mk)**

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(b) Fertilizer ratio **(1mk)**

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22. List four predisposing factors to livestock diseases **(2mks)**

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23. Give four ways in which diseases can be passed on from one animal to another **(2mks)**

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24. Name four insect parasites that attack livestock **(2mks)**

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25. Give two conditions that encourage damping off disease in a nursery bed **(1mk)**

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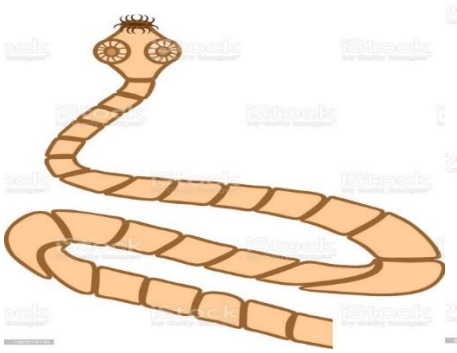
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SECTION B: (20 MARKS)

ANSWER ALL QUESTIONS IN THE SPACE PROVIDED

26. The diagram below shows livestock parasites



E



F

(a) Identify the parasite labelled E and F **(2mks)**

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(b) Name the organ where each of the parasites is commonly found **(2mks)**

(i) Parasite E

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(ii) Parasite F

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(c) Name the intermediate host of the parasite labelled E **(1mk)**

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27. The diagram below shows a method of draining water logged soils. Study it and answer the questions that follow



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(a) Identify the method illustrated **(1mk)**

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(b) Give two reasons for draining water logged soils **(1mk)**

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(c) Apart from the method illustrated above name other three ways of draining water logged soils **(3mks)**

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28. The diagram below shows a pest and the damaged crop. study it and answer the questions that follow.



(a) Identify the crop pest illustrated above **(1mk)**

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(b) What damage does the pest cause to the crop **(1mk)**

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(c) State two ways of controlling the pest above **(2mks)**

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(d) Other than the illustrated pest name other two pests that attack the crop shown **(1mk)**

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29. The diagram below shows vegetative propagation materials, use them to answer the questions that follow



Q



P

(a) Identify the vegetative propagation materials represented in diagrams Q and P **(2mks)**

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(b) Name a crop that is propagated by the materials in the diagram Q and P **(2mks)**

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(c) Other than the vegetative material labelled Q name other materials used to propagate onions **(1mk)**

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SECTION C: (40 MARKS)

ANSWER ALL QUESTIONS IN THE SPACE PROVIDED

30.

(a) Explain FIVE factors considered when siting a vegetable nursery bed **(5mks)**

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(b) Explain how each of the following environmental factors influence crop production

(i) Temperature **(5mks)**

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(ii) Wind **(5mks)**

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(c) Explain five advantages of mulching in crop production **(5mks)**

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31. Describe the production of tomatoes under the following sub headings

(a) Land preparation **(3mks)**

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(b) Transplanting **(7mks)**

(c) Field management practices **(7mks)**

(d) Diseases that attack tomatoes **(3mks)**

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NAME: ……..……

SCHOOL: ……..

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

BIOLOGY
FORM TWO
TIME: 1 ¾ HOURS

INSTRUCTIONS:
Answer all the questions in the spaces provided.

1.(a) Define the term growth. **(1mk)**

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(b) Name the tissue in plant responsible for:

(i) Primary growth **(1mk)**

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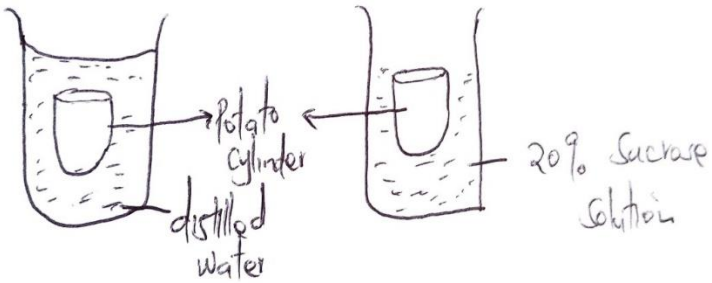
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(ii) Secondary growth **(1mk)**

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2. The potato cylinders were carefully divided on a blotting paper and weighed. Each piece weighed 2 grams. One was placed in each test as shown in the diagram below.



(a) After 48 hours, which potato cylinder will be heavier. Explain. **(2mks)**

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(b) Name the substances whose movement was responsible for the weight changes in the potato cylinder you identified in (a) above? **(1mk)**

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(c) Name the process which was responsible for the movement of the substance you identified in (b) above. **(1mk)**

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3. Why are the following steps taken when preparing a cross section of a leaf for viewing under the microscope?

(a) Cutting thin section. **(2mks)**

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(b) Placing the section in water. **(2mks)**

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4. Below is a dental formula of a mammal

$$\text{I}\ \frac{0}{4} \quad \text{C}\ \frac{0}{0} \quad \text{PM}\ \frac{3}{3} \quad \text{M}\ \frac{2}{3}$$

(a) What is the total number of teeth **(1mk)**

(b) **(i)** What is the mode of feeding in the mammal? **(1mk)**

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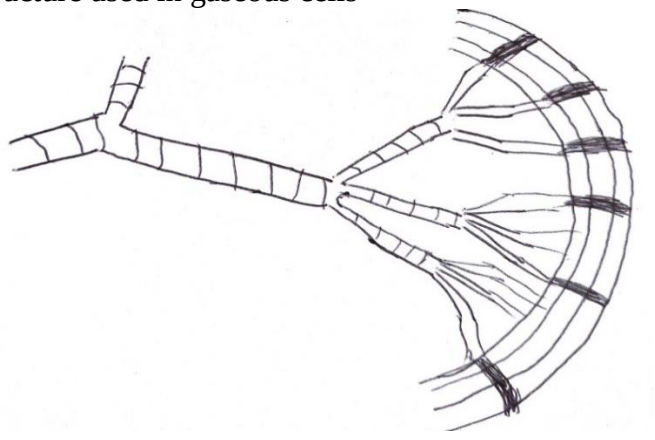
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(ii) Give one reason for your answer above. **(1mk)**

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5. The figure below shows a structure used in gaseous cells



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(a) What do guard cells lie in close contact with epidermal cells? **(1mk)**

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(b)i) Identify the structure,. **(1mk)**

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(ii) Explain one observable texture on the figure that adapts the structure to its function. **(2mks)**

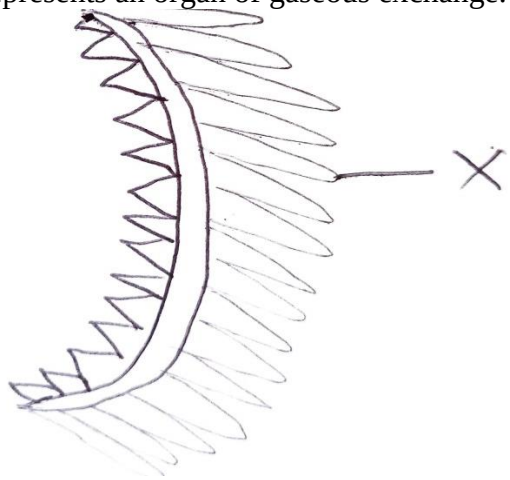
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6. The diagram below represents an organ of gaseous exchange.



(a) What is the name of the organ? **(1mk)**

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(b) State two ways in which structure X is adapted to gaseous exchange. **(2mks)**

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7. How does carboxyhaemoglobin lead to death? **(2mks)**

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8. Name the cell structures that synthesize the following cell organelles:-

(a) Lysosomes - **(1mk)**

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(b) Ribosomes - **(1mk)**

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9. What is the importance of the strona in the Chloroplast? **(2mks)**

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10. State three adaptations that enables prey to evade predators. **(3mks)**

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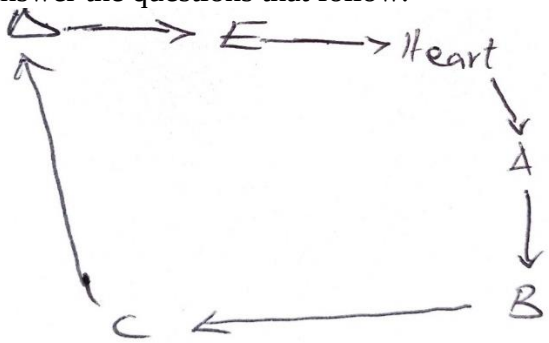
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11. Study the diagram below and answer the questions that follow.



(a) Name the blood vessels labeled A to E. **(2mks)**

A_____

E_____

(b) State two differences between blood vessel B and D. **(2mks)**

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(c) State two adaptations of the blood vessel labeled C to its functions. **(2mks)**

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12.(a) Name three factors affecting the rate of breathing in human beings. **(3mks)**

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(b) Define the following terms as used in gaseous exchange. **(2mks)**

(i) Tidal volume –

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(ii) Residual volume -

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13. Draw a well labeled diagram of the guard cells. **(3mks)**

14. State three properties of lipids. **(3mks)**

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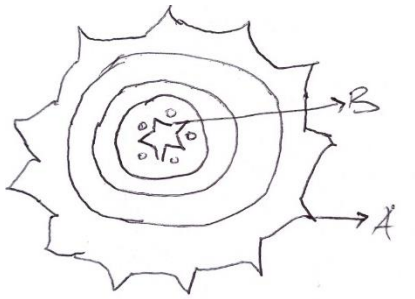
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15. The diagram below represents a cross section obtained from a plant. Use it to answer the questions that follow.



(a) From which part of the plant was the section obtained from? **(1mk)**

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

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(c) Name part B. **(1mk)**

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(d) Name the material that strengthens the part you named in (c) above. **(1mk)**

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16. Name the conditions under which urine production increases in animals. **(2mks)**

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(b) What is diabetes insipidus? **(1mk)**

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17. Describe the structure of the skin to its functions. **(5mks)**

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18. (a) What is photosynthesis? **(1mk)**

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(b) Discuss three factors affecting the rate of photosynthesis. **(6mks)**

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19. Explain the economic importance of plant excretory products. **(5mks)**

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NAME: ……..……

SCHOOL: ……..

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

BUSINESS STUDIES
FORM TWO
TIME: 2 HOURS

INSTRUCTIONS:
Answer all the question sin the spaces provided.

1, Briefly define the following forms of utilities:- **(3mks)**

(i) Form utility –

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(ii) Possession utility –

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(iii) Place utility –

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2. Mutwiri has been advised by his bank to write a business plan. List four benefits Mutwiri would get by drawing a business plan. **(4mks)**

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3. List four challenges faced by people as they seek their wants. **(4mks)**

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4. Containerization is common feature in road and water transport., List four benefits of containerization.**(4mks)**

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5. List four benefits consumers enjoy from warehousing. **(4mks)**

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6. The Kenyan government has diverse ways on controlling and regulating business in Kenya.
Explain three ways that Kenya government regulates and control trade. **(6mks)**

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7. Outline four differences between public corporation and public companies. **(4mks)**

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8. List four components of effective communication. **(4mks)**

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9. Highlight four issues for consideration when selecting means of transport. **(4mks)**

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10. Juma, Kipchoge and Muiruri are deciding of forming a private limited company. Highlight four contents of the articles of association that they might consider. **(4mks)**

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11. Differentiate between debit note and credit note. **(4mks)**

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12. Explain four qualities of a good filling system. **(8mks)**

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13. List down four qualities of a good sales person. **(4mks)**

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14. Outline five differences between general insurance and life insurance. **(10mks)**

General Insurance	Life Insurance

15, Define the term specialization. **(1mk)**

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16. Give two characteristics of preference shares. **(2mks)**

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EXCELLING STUDENTS FORM 2 MID-TERM 3 SERIES 1 EXAMS

NAME: ……..……

SCHOOL: ……..

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

CHEMISTRY

FORM 2 EXAM

TIME: 2HOURS

(i) Answer **all** the questions in the spaces provided.

(ii) Write your **name** and **index number** in the spaces provided above.

(iii) Mathematical tables and electronic calculators may be used for calculations.

(iv) All workings **must** be clearly shown where necessary

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QUESTION	MAXIMUM SCORE	CANDIDATE'S SCORE
1 – 19	80	

1. (a) Define chemistry **(1mks)**

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(b) State three roles of chemistry in the society**.** **(3mks)**

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2. Putting out flames after use is one of the laboratory rules, state three other laboratory rules. **(3mks)**

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3. List two differences between temporary physical change and permanent chemical change. **(4mks)**

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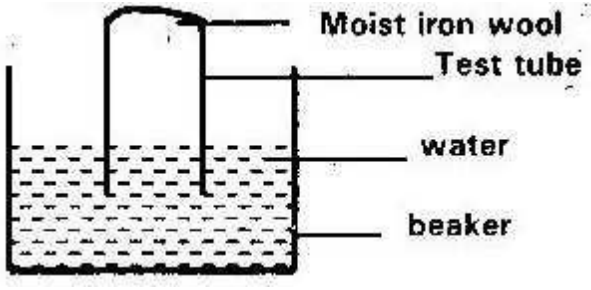
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4.The set up below was used to study some properties of air



State and explain two observations that would be made at the end of the experiment. **(4mks)**

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5.The table below gives information about ions of **P** and **Y**

Ion	P^+	Y^{2-}
Electron arrangement	2.8	2.8.8
Number of Neutrons	12	16

a) Write the electron configuration for the atom of Y **(1mk)**

……

……

b) How many protons are there in the nucleus of **(2mks)**

(i) P ……

(ii) Y ……..

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(c) Write the formula of the compound formed when **P** and **Y** reacts **(2mks)**

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6. Diamond and graphite are allotropes of carbon.

(i) What are allotropes? **(1mk)**

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(ii) In terms of structure and bonding explain why diamond is used in drilling through hard rocks while graphite is a lubricant **(2mks)**

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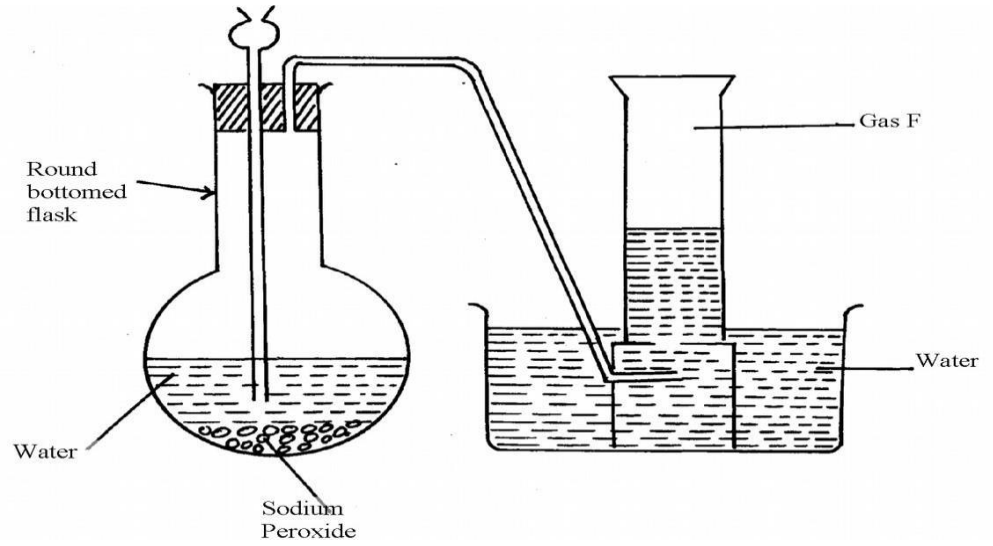
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7.The diagram below is a set up for the laboratory preparation of gas F.



(i) Name gas **F** **(1mk)**

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(ii) At the end of the experiment, the solution in the round bottomed flask was found to be a strong base. Explain why this was so **(2mks)**

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(iii)Which property of gas **F** makes it be collected by the method used in the set-up? **(1mk)**

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(iv) Give **one** industrial use of gas **F** **(1mk)**

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8.Oxygen exists naturally as isotopes of mass number 16, 17 and 18 in the ratio 96:2:2 respectively. Calculate its R.A.M**.** **(3mks)**

9. The grid given below represents part of the periodic table. Study it and answer the questions that follow. The letters are not the actual symbols of the elements.

											A
B				G		H		E			
	J		I	L					C		
D								M			
Y											

(i) What name is given to the family of elements to which A and C belong? **(1mk)**

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(ii) Write the chemical formula of the sulphate of element D. **(1mk)**

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(iii) Which letter represents the most reactive **(2mks)**

(a) Metal

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……

(b) Non-metal

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(iv) Select one element that belongs to period 4. **(1mk)**

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(v) Explain why the Ionic radius of element E is bigger than the atomic radius. **(2mks)**

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(vi) The electron configuration of a divalent anion of element N is 2.8.8. Indicate the position of element N on the periodic table drawn above. **(1mk)**

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(vii) How do the atomic radii of I and C compare. Explain. **(2mks)**

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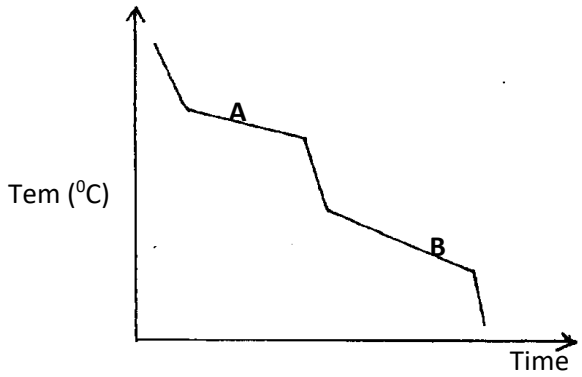
(vii) Explain the trend in the 1st ionization energies of the elements J, I and L. **(1mk)**

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10. The following is a cooling curve of a certain substance.



(a) Is this a pure or impure substance? Explain **(2mks)**

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(b) Explain using kinetic theory what happens in region **A** **(2mks)**

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11. The following is a list of pH values of some substance:

Substance	**M**	**N**	**V**	**X**	**Z**
pH	10.6	7.2	13.2	5.9	1.5

Identify:

(i) Strong acid **(1mk)**

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(ii) Weak base **(1mk)**

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12. Briefly explain the following:

(a) Alkaline earth metals are generally less reactive than-alkali metals. **(2mks)**

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(b) Though sodium and aluminum are in the same period and are both metals, aluminum is a better conductor of electricity. **(2mks)**

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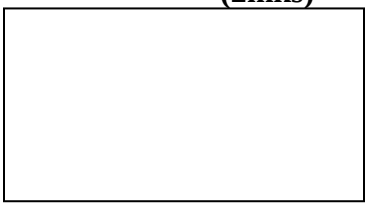
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13. Two papers **A** and **B** were placed at different levels of a non-luminous flame. Paper **A** was placed at the lowest part of the flame while **B** was placed at the tip.

(a) Indicate **below** the observations made on each paper. **(2mks)**



*Paper **A***



*Paper **B***

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(b) Explain the observations made on paper **A**. **(1mk)**

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14. Balance the following equations. **(4mks)**

i. Cl_2 (g) + NaOH (aq) ⟶ NaCl (aq)+ NaOCl(aq) + $H_2O(l)$

ii. $Cl_2(g)$ + KOH(aq) ⟶ KCl(aq) + $KClO_3(aq)$ + $H_2O(l)$

iii. Fe $Cl_2(aq)$ + Cl_2(g) ⟶ $FeCl_3(aq)$

iv. Mg(s) + Cu $SO_4(aq)$ ⟶ $MgSO_4(aq)$ + Cu(s)

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

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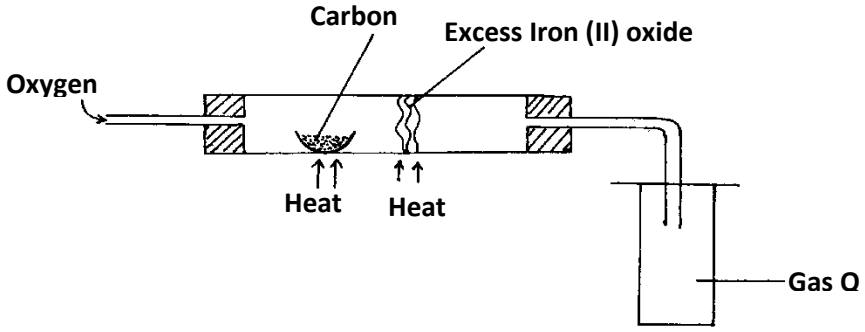
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16. The set up below was used to obtain a sample of iron.



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

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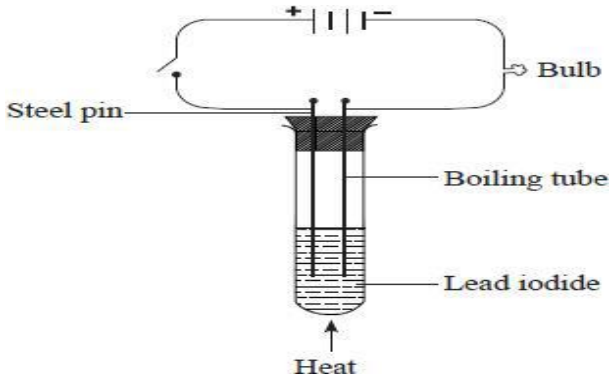
ii) Identify gas **Q** **(1mk)**

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17. The diagram below shows a set up which was used by a student to investigate the effect of electricity on molten lead (II) iodide.



(a) Explain what happens to the lead iodide during the electrolysis. **(2mks)**

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(b) Why does solid lead (II) iodide not allow the passage of electricity? **(1mk)**

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(c) Write equations to show the reaction taking place:

(i) At the cathode. **(1mk)**

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(ii) At the anode **(1mk)**

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18. Write balanced equations for the following reactions: **(8mks)**

(a) Calcium carbonate and hydrochloric acid.

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(b) Magnesium and Sulphuric (VI) acid.

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(c) Copper (II)Oxide and Nitric (V)acid.

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(d) Sodium Hydroxide solution and Hydrochloric Acid.

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19. State three applications of carbon (iv) oxide **(3mks)**

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EXCELLING STUDENTS FORM 2 MID-TERM 3 SERIES 1 EXAMS

NAME: ……..……

SCHOOL: ……..

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

COMPUTER STUDIES

2HR

FORM TWO

1.a) What is a database management system software (DBMS)**?** **(1mk)**

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b) Give two **examples** of DBMS **software**. **(2mks)**

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2. Give two disadvantages of **MANUAL** filing systems in data storage. **(2mks)**

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3 List and explain any ***four*** common objects which can be created using DBMS software. **(4mks)**

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4. Describe any two database **models**. **(4mks)**

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5. Define the following terms as used in databases**.** **(3mks)**

I.Macros

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II.Primary key

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III.Field property

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6. Give two **data types** used in databases and give one example of **a field property** that can be applied alongside each of data type you have mentioned**.** **(4mks)**

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7. Explain the meaning of the following as used in computer studies**.** **(4mks)**

a) Shareware license

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b) Firmware

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c) Power supply unit

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d) Firewire cable

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8. Give two advantages of **vendor off the shelf software**. **(2mks)**

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9. Differentiate between a **single task** and a **multitask** operating system **(2mks)**

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10. Differentiate between **toggle case** and **title case.** **(2mks)**

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11. Highlight two **factors** considered when purchasing a **monitor**. **(2mks)**

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12. Define the following as used in word processing. **(4mks)**

i) Word wrap**.**

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ii) Drop Cap

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iii) Orphan

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iv) Window

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13. Control unit is an essential component of the CPU. Describe the functions of the control unit. **(2mks)**

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14. Speech recognition devices are used to capture natural sound and convert the input into digital form. State two problems related to speech recognition devices**.** **(2mks)**

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15. Differentiate between pasteboard and master page as used in DTP **(2mks)**

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16. Differentiate between graphic-based and layout based desktop publishing software. **(2mks)**

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17. Classify the following software's according to purpose**.** **(4mks)**

	software	Classification
1.	Need for Speed Game	
2.	BIOS	
3.	Google Chrome Browser	
4.	Adobe InDesign 6	

18. Give Three advantages of using GUI based operating system over a command line interface. **(3mks)**

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19. Outline two ways in which computers can be applied in hotels. **(2mks)**

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20.a) Give **two** reasons why input screens are better data entry designs than entering data directly into a table. **(2mks)**

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b) The figure below is an extract of a worksheet containing information on household items. Use it to answer the following questions:

	A	B	C	D	E	F
1	**Item description**	**No of units**	**Cost per unit**	**Total cost**		
2	Maize flour	20	210			
3	Tea leaves	64	185			
4	Sugar	77	149			
5	Salt	28	25			

i) Write a formula to calculate the total cost of sugar. **(1mks)**

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ii) The prices of all items increased by 10% and the value 10% is placed in cell B8. Using cell addresses with absolute referencing only, write a formula to calculate the new unit of the salt. **(2mks)**

iii) Write a function to display the number of cells in which the cost per unit is equal to 25. **(2mks)**

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iv) Write a function to display the least total cost for all items. **(1mk)**

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20. A school computer laboratory is scheduled to undergo major renovations. The lab is scheduled to receive new computer whose specifications are given below: Explain the meaning of each item**.** **(5mks)**

- Pentium IV 2.8GHz processor

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- 40GB HDD

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- 4 GB RAM

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- 56 x CD ROM

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- 17"SVGA TFT monitor

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21. Explain two safety precautions when handling removable storage media. **(2mks)**

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22. State two factors to consider when choosing an operating system software. **(2mks)**

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EXCELLING STUDENTS FORM 2 MID-TERM 3 SERIES 1 EXAMS

NAME: ……..……

SCHOOL: ……..

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

C.R.E
FORM TWO
TIME: 2 HOURS

1. Name the five books of the Bible referred to as the Pentateuch. **(5mks)**

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2. Outline the activities carried out by the Israelites on the night of the Passover. **(5mks)**

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3. State the functions of the temple in the Jewish community. **(7mks)**

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4. Describe the incident in which King Ahab took Naboth's vineyard. **(8mks)**

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5. List five moral value promoted during funeral ceremonies in traditional African communities. **(5mks)**

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6. Outline Micah's prophecy concerning the Messiah (Mica 5: 1 – 5) **(7mks)**

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7. Basing your answer on infancy narratives in Luke 1: 5 – 56, describe what took place when Mary visited Elizabeth. **(8mks)**

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8. With reference to the sermon on the plain, outline five teachings of Jesus on how human beings should relate to one another. **(5mks)**

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9. Give reasons why Jesus healed the sick. **(6mks)**

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10. Outline the instructions that Jesus gave to the seventy two disciples when he send them on a mission. **(8mks)**

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11. State signs of end times as taught by Jesus in Luke 21: 5 – 38. **(6mks)**

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EXCELLING STUDENTS FORM 2 MID-TERM 3 SERIES 1 EXAMS

NAME: ……..……

SCHOOL: ……..

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

ENGLISH FORM TWO

TIME: 2 HRS

INSTRUCTIONS

a) Write your name, admission number, and stream correctly
b) Read carefully, understand, and answer all questions
c) Write your answers in the space provided
d) Do not leave a blank space

FUNCTIONAL WRITING 20 MKS

Imagine you are the secretary of the wildlife club in your school. You are planning to hold an awareness day in your school. Write a letter to the principal asking him to allow you to use; the school hall, the public addressing system, the school tables, the school plastic chairs, and the school decorating items.

COMPREHENSION 20 MKS

Read the following passage and answer the questions that follows

In case you've ever wondered how much time your daughter spends taking selfies, a poll in 2015 found that the average woman between 16 and 25 years old spends over five hours a week. It sounds like a lot unless you've tried to take selfies yourself and know what an elaborate process it can be. Women take an average of seven shots to get one image, according to the poll; Kim Kardashian said it takes about 15 to 20. Then there are the filters, not to mention real-life alterations like changing lighting or touching up makeup. There are also apps you can use for more drastic procedures like changing your bone structure, slimming your waistline, erasing pimples, and more.

Selfies can be silly and lighthearted, of course, notes Alexandra Hamlet, a psychologist at the Child Mind Institute. But she also recognizes the darker side, when photos become a measure of self-worth. "With makeup, with retouch, with filters, with multiple, multiple attempts, it's almost like you're never going to stack up," says Dr. Hamlet, "And that is where I think it gets dangerous."

We're used to worrying about how girls will be affected by seeing too many air-brushed images of models in magazines or movies. But now young people themselves are the models and they're wielding their own image-

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editing software. This leads to a lot of self-scrutiny as they try to perfect their own images, and comparisons to the pictures their peers are posting. Experts are understandably worried about what this means for kids' self-esteem

If you've been telling your daughter that she's beautiful just the way she is, she's getting a different message when she opens up *Snapchat* and sees filters and lenses that alter appearances. Pictures used to be final; now we have post-production.

Dr. Hamlet acknowledges that some of the filters are fun and distort in amusing ways, but also points out there's a so-called "pretty filter" on *Instagram* and *Snapchat*. Beautifying filters are used almost reflexively by many, which means that girls are getting used to seeing their peers effectively airbrushed every single day online. There are also image altering apps that teens can download for more substantial changes. *Facetune* is one popular one, but there are many, and they can be used to do everything from erase pimples to change the structure of your face or make you look taller. One app called *RetouchMe* gives your photo a "professional retouch" using a photo editing team for under a dollar. The possibilities can be overwhelming, particularly since girls know they are scrutinized on their appearance — as, of course, they are scrutinizing their peers.Self-esteem often takes a hit when you start comparing yourself too much to other people, which is something social media seems to be made for. One study found that frequently viewing selfies led to decreased self-esteem and decreased life satisfaction. Another study found that girls who spend more time looking at pictures on Facebook reported higher weight dissatisfaction and self-objectification.

Parents who want to provide a healthy counterbalance to the pressures of social media can start by evaluating how they use social media themselves. Make sure you aren't talking too much about the pictures you post or see, or ask your children to take too many pictures. The occasional photo is fine, of course, but make a point of prioritizing being in the moment, too. "If you're taking your kid to a concert, don't allow them to film the whole thing and see it only through the eyes of the camera," says Dr. Hamlet. "That's reinforcing this concept that just being here is not good enough."

Questions

1.What shows that women take selfies seriously? **(2mks)**

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2.Why does the author mention Kim Kardashian? **(2mks)**

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3.Explain how selfies become harmful to those who take them. **(3mks)**

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4.What do you think is the different message one's daughter gets when she opens Snapchat? **(2mks)**

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5.Explain the relationship between self-esteem and social media. **(3mks)**

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6.Rewrite the following sentences as instructed: **(2mks)**

i."If you're taking your kid to a concert, don't allow them to film the whole thing and see it only through the eyes of the camera," says Dr. Hamlet. ***(Re-write in reported speech)***

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ii. Dr. Hamlet acknowledges that some of the filters are fun and distort in amusing ways, but also points out there's a **so-called** "pretty filter" on Instagram and Snapchat. ***(Replace the underlined words with suitable word)***

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7.Illustrate and comment on the effectiveness of quotation from authority. **(2mks)**

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

a) stack-up

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b) overwhelming

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c) self-esteem

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CLOZE TEXT 10 MKS

The dictionary defines integrity as 'the state of being completely unified.' When I have integrity, my **1.....**and my deeds match up. I am who I am, no **2.....** where I am or who I am with. Sadly, integrity is a vanishing commodity today. Personal standards are crumbling in a world that has taken to hot pursuit of personal pleasure and short cuts **3.....** success. A person with integrity does not have **4.....** loyalties nor is he or she merely pretending. People with integrity are 'whole' people; they can be identified by **5.....**single-mindedness. They have nothing to hide and nothing to fear. Their lives are open **6.....** They have **7.....**a system of values against **8.....**all their life is judged. Integrity is not what we do so much as who we are. And who we are in **9.....** determines what we do. Our system of values is so much a part of us that we cannot separate it from **10.....**

ORAL SKILLS (10mks)

A) **Read the following poem and answer the questions that follow.**

When to the sessions of sweet silent thought
I summon up remembrance of things past,
I sigh the lack of many a thing I sought
And with old woes new wail my dear time's waste
Then can I drown an eye, unused to flow,
For previous friends hid in death's dateless night,
And weep afresh love's long since cancelled woe,
And moan the expense of many a vanished sight.
Then can I grieve at grievances foregone,
And heavily from woe to woe tell o'er.

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The sad account of fore-bemoaned moan,
Which I now pay as if not paid before.
But if the while I think of thee, dear friend,
All losses are restored and sorrows end.

William Shakespeare

1. Describe the rhyme scheme of the poem above. **(2mks)**

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2.Identify the **most dominant sound pattern** used in this poem. **(2mks)**

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3.Which words would you stress in the last line and why? **(2mks)**

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4.Briefly explain how rhythm is achieved in the above poem **(4mks)**

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B) **Read the following dialogue between Portia and the principal then answer the questions that follow.(10MKS)**

Principal: Welcome Portia, please have a seat.

Portia: *(After sitting down)* Sir, why did you call me?

Principal: I would like us to have a little chat about...

Portia: I have not done anything wrong; you can even ask Ejidiah, the class prefect I was with her the whole day yesterday.

Principal: Actually, the reason I called you is because...

Portia: Speak louder. I can't hear you.

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Principal: *(in a louder voice).* The reason why I sent for you is because I have just received news from...

Portia: *(shouting).* Jacky! I knew that fool could not be trusted with a secret. Okay, its true that Ejidiah and I sneaked out of school yesterday but we were hungry, really hungry. All we did was buy a loaf of bread and then came back to school.

Principal: Portia, I wish you could listen to me. The reason why I called you here is because I have received news that you have won an award in the creative writing contest that you entered last year. I have a cheque here for you. However, you have raised a matter that I would love to attend to without further delay. Please go and call Ejidiah. By the time you get back I will have decided on the best punishment for you two.

Questions

a) How does the principal establish rapport with the student? **(2mks)**

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b) Prove that Portia is a poor listener. **(2mks)**

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(c) What evidence is there in the dialogue to suggest that Portia demonstrates lack of etiquette in her speech? **(4mks)**

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c) Identify two things you will do as an interviewee during the interview to ensure it is successful. **(2mks)**

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GRAMMAR 10 MKS

A. Re-write the following sentences using the perfective aspect in the future. (3mks)

1. We are paying the electricity bill

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2. The choir performed the song by midday.

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3. The company's reputation deteriorated a great deal.

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B. Use the appropriate quantifier phrase to complete the following sentences (2mks)

1. She only needs _____ flour to make the dough stiff.

2. There is _____ noise coming from that room.

C. Join the following sentences using the most appropriate adverbial subordinators (2mks)

1. The team was defeated. The team did not practice

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2. You deliver the goods. I will not pay you.

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D. Re-write the following sentences changing them into passive form (3mks)

1. The principal is teaching Form Two East

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2. The scouts will clean the compound.

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3. Nabutola moved the table.

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EXCELLING STUDENTS FORM 2 MID-TERM 3 SERIES 1 EXAMS

NAME: ……..……

SCHOOL: ……..

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

GEOGRAPHY

FORM 2

TIME: 2 HOURS

MID-TERM TWO EXAM

INSTRUCTIONS TO CANDIDATES

- ***Answer all questions in this Paper.***

1.a.) State two theories that try to explain the origin of the Solar system. **(2mks)**

b. List three disciplines related to Geography. **(3mks)**

2.a) State four benefits of studying Geography. **(4mks)**

b. State four effects of the Revolution of the Earth. **(4mks)**

3.a) Name three instrument kept in the Stevenson screen. **(3mks)**

b. Explain the reasons why the Stevenson screen has the following features.

i. Raised 121cm above the ground. **(1mk)**

ii. Wooden carved sides. **(1mk)**

iii) Painted white and constructed with an insulated roof. **(1mk)**

4.a) Mention four factors that influence the weather of a place. **(4mks)**

b. Name the four layers of the atmosphere. **(4mks)**

5.a) State four significance of weather forecasting. **(4mks)**

b. Name three techniques of sampling. **(3mks)**

6.a) State four causes of Earth movements. **(4mks)**

b) Mention four evidences supporting continental drift theory. **(4mks)**

7.a) Name four types of faults. **(4mks)**

b) Name four features resulting from faulting. **(4mks)**

8.a. The following is the number of veterinary officers per Sub County in Nakuru County.

Use it to draw a sample divided rectangle length 10cm. Show your calculations. **(8mks)**

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EXCELLING STUDENTS FORM 2 MID-TERM 3 SERIES 1 EXAMS

NAME: ……..……

SCHOOL: ……..

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

311

HISTORY

TIME 2 ½ HOURS

FORM TWO

INSTRUCTION TO CANDIDATES

❖ Answer **ALL** questions only in this paper in the answer booklet provided.

SECTION A: ANSWER ALL QUESTIONS (25 MARKS)

1. Give the **main** source of history of Kenyan communities' during the pre-colonial period. **(1mk)**

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2. Name **two** stages of evolution according to Charles Darwin Theory. **(2mks)**

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3. State **two** factors that show that Africa is the cradle of mankind. **(2mks)**

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4. Give **one** negative effect of the land enclosure system in Britain during the Agrarian Revolution. **(1mk)**

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5. State **two** similarities between early agriculture in Mesopotamia and Egypt. **(2mks)**

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6. Give **one** cultural practice that the Agikuyu borrowed from the Gumba during the pre-colonial period**. (1mk)**

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

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8. Mention **one** method of trade in pre-colonial Africa. **(1mk)**

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9. What was the contribution of Alexander Graham Bell in the communication sector? **(1mk)**

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10. Give **two** ways by which poor transport hinders industrialization in the third world countries. **(2mks)**

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11. Identify **one** invention that revolutionized food preservation during the 19th Century. **(1mk)**

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12. State **two** functions of the Saza chiefs among the Baganda in the 19th Century. **(2mks)**

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13. Give **two** factors that led to the development of local trade. **(2mks)**

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14. State **two** disadvantages of using coal as a source of industrial energy. **(2mks)**

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15. Give **two** reasons that led to the decline of Meroe Town. **(2mks)**

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16. Identify the **most** fundamental right of a Kenyan Citizen. **(1mk)**

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17. State **two** characteristics of Human Rights. **(2mks)**

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18. Identify **five** ways in which the right to life may be limited in Kenya **(5mks)**

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19. Discuss **five** values of good citizenship in Kenya **(10mks)**

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SECTION B: ANSWER ALL QUESTIONS (45 MARKS)

20. (a) State **three** factors that led to the migration of the Plain Nilotes during the pre-colonial period. **(3mks)**

(b) Explain **six** results in the migration and settlement of the Plain Nilotes in Kenya. **(12mks)**

19. (a) Give **three** advantages of using railway transport over road transport. **(3mks)**

(b) Explain **six** effects of telecommunication on modern society. **(12mks)**

20. (a) Give **three** functions of the Lukiiko among the Buganda Society in the 19th Century. **(3mks)**

(b) Describe the social organization of the Shona during the 19th Century. **(12mks)**

SECTION C: ANSWER ALL QUESTIONS (30 MARKS)

21.(a) State **three** factors that can lead to revocation of citizenship acquired through registration. **(3mks)**

(b) Explain **six** rights of an accused person in Kenya. **(12mks)**

22. (a) Give **five** advantages of a written constitution. **(5mks)**

(b) Explain **five** problems that have been experienced in the constitution making process in Kenya. **(10mks)**

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JINA: ……..……

SHULE: …….

NAMBARI YAUSAJILI: …….... SAHIHI: ……..……. TAREHE: …….

MTIHANI WA MUHULA WA TATU KISWAHILI

KIDATO CHA PILI MUDA:2 HOURS

MAAGIZO

Fanya maswali yote.

INSHA

Mwandikie ndugu yako barua ukimweleza jinsi maisha yalivyo huko marekani ulikoenda kusomea. **(Al.20)**

UFAHAMU (Al.10)

Soma taarifa kisha ujibu maswali

Ulimwengu unatakiwa kuzua mbinu za kulitatua tatizo la ufukara ambao ni kikwazo kikuu cha juhudi za maendeleo.Ufukara unayakabili mataifa mengi yanayoendelea kuyatosa kwenye shida nyingi huku mataifa ya magharibi yakazidi kupiga hatua kubwa kimaendeleo.Tofauti iliyopo kati ya mataifa yanayoendelea inaendelea kuongezeka kila siku.

Miongoni mwa sababu zinzochangia katika ufukara huu ni pamoja na ufisadi , uongozi mbaya, turathi za kikoloni na uchumi unaotegemea kilimo ambacho hutegemea mvua isiyoweza kutabirika. Vilevile , maarifa yanayoendelea yana idadi kubwa ya watu inayopiku uwezo wa mataifa husika.Pamoja na haya , mataifa haya hayana uwezo wa kuwakomboa raia wake kutoka lindi la umaskini huu unaokithiri .Ukosefu wa elimu na nafasi adimu za kazi huchangia pia katika tatizo hili.

Ni wazi kuwa ufukara una athari hasi ulimwenguni.Aghalabu, ufukara huchipuza matendo mabaya .Ni rahisi kuwashawishi wananchi maskini kushiriki katika uhalifu ili kujinasua kutoka lindi la umaskini.Udhaifu huu huweza kuzaa mbegu ya kuatika maovu ya kila aina ukiwemo ugaidi.

Mataifa yanayoendelea yanatakiwa kuyaburai madeni yanayodai mataifa yanayoendelea kama njia moja ya kupambana na ufukara.Mataifa haya maskini hutumia aslimia kubwa ya mapato ya kitaifa kuyalipia madeni haya. Hali hii imedyafanya mataifa haya kushindwa kujikwamua kutoka kwa minyororo ya ufukara. Njia nyingine ya kuwasaidia mataifa haya ni kukubali kotoa ruzuku ya kimaendeleo badala ya mikopo kwa nchi husika.

Mataifa yanayoendelea pia yanatakiwa kuchukua hatua katika kuwanusuru raia wake kutoka dhiki hii.Ni sharti yaibuke na mikakati kabambe ya kupambana na ufukara. Itakuwa faida kubwa iwapo mataifa yataunda sera zinazotambua ufukara kama tatizo kuu linalozikabili na kuweka mikakati ya kuwaokoa raia wake kutoka kwenye tatizo hili.

Pamoja na mikakati hii kuna kuzalisha nafasi za kazi , kuimarisha miundo msingi , kuendeleza elimu inayolenga kutatua matatizo maalumu katika jamii na kupanua viwanda.

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Kuna haja ya viongozi kuwa waangalifu ili mfumo wa soko huru ambao unaendelezwa na mataifa yalioendelea usiishie kuwa chanzo cha kufa kwa viwanda asilia.Maamuzi yote ya sera za kiuchumi sharti yauzingatie uhalisia wa maisha ya raia wa mataifa haya.

Maswali

a) Eleza athari za madeni kwa nchi zinazoendelea. **(Al 2)**

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b) Kwa nini umaskini unatawala mataifa yanayoendelea? **(Al4)**

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c) Mwandishi anatoa mapendekezo yapi kwa mataifa yanayoendelea katika kutatua tatizo la ufukara? **(alm2)**

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d) Mfumo wa soko huru una madhara gani kwa mataifa yanayoendelea? **(Al2)**

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SARUFI (Al.30).

1a). Eleza maana ya mofimu. **(Al.1)**

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b). Fafanua aina mbili za mofimu. **(Al.2)**

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2) Eleza maana ya kiambishi. **(Al.1)**

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3) Andika kwa wingi sentensi hizi. **(Al.2)**

i) Goti la mtoto liliuma.

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ii) Ukwato wa ngamia ni mpana.

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5) Jaza mapengo kwa kiulizi sahihi**.** **(Al.2)**

i) Ni mpishi _____ aliyepika?

ii) Ni chama _____ kinachotawala?

6). Jaza viambishi vya ngeli vinavyochukuliwa na kivumishi –ote katika sentensi zifuatazo. **(Al.2)**

i) Chakula _____ kimeoza.

ii) Alicheka mpaka jino_____ likaonekana.

7). Ziandike upya sentensi zifuatazo ukitumia –O-rejeshi. **(Al.2)**

i) Mto ambao unafurika umevunja kingo.

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ii) Meno ambayo yanamuuma yatatiwa dawa.

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8). Tunga sentensi ukitumia viashiria vifuatavyo: **(Al.3)**

i) Vivyo hivyo

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ii) Wawa hawa

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iii) Zizi hizi

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9) Bainisha kitenzi kikuu katika sentensi zifuatazo. **(Al.2)**

i) Itabidi ajenge nyumba upya.

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ii) Tulienda kufagia darasa letu.

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10). Tumia vielezi vifuatavyo katika sentensi. **(Al.3)**

i) Mara kwa mara

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ii) Usiku kucha

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iii) Mtondogoo

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11). Tumia kiunganishi kifaacho kuunganisha kila jozi ya sentensi**.** **(Al.2)**

i) Mwizi alishikwa. Mwizi alipigwa sana.

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ii) Jina lake ni Bakari. Yeye si Omwaro.

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12). Tumia kihusishi kifaacho katika sentensi zifuatazo. **(Al.3)**

i) Panya alijificha _____pango.

ii) Mwanafunzi alisimama _____ jukwaa.

iii) Mwizi alijificha _____ kitanda.

13) Tunga sentensi ukitumia vihisishi kuonyesha hisia zifuatazo. **(Al.2)**

i) Uchungu

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ii) Furaha

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14) Eleza maana ya misemo ifuatayo. **(Al.2)**

i) Rudi mtoto

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ii) Kuasi ukapera

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15). Kamilisha methali ifuatayo. **(Al.1)**

Aisifuye mvua_____

ISIMU JAMII **(Al.10)**

Eleza kaida tano ambazo lugha huzingatia.

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FASIHI SIMULIZI **(Al.10)**

1a). Eleza maana ya maigizo **(Al.2)**

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b). Taja na ueleze sifa nne za maigizo**.** **(Al.8).**

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EXCELLING STUDENTS FORM 2 MID-TERM 3 SERIES 1 EXAMS

NAME: ……..……

SCHOOL: ……..

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

FORM 2
MATHEMATICS
TIME –

INSTRUCTIONS TO CANDIDATES.
Answer all the questions in the spaces provided.

1.Evaluate without using a calculator: **(3mks)**

$$\frac{{}^{5}/_{6} \text{ of } (4\ {}^{1}/_{3} - 3\ {}^{5}/_{6})}{{}^{5}/_{12} \times {}^{3}/_{25} + 1\ {}^{5}/_{9} \div 2\ {}^{1}/_{3}}$$

2.A cylindrical tank of diameter 1.4m and height 1.2m is two-thirds full of water. The tank if filled using a cylinder bucket of diameter 35cm and diameter 20cm. find the number of buckets to fill the tank. **(3mks)**

3.A man sets off by bus on a journey of 130cm. after the bus has travelled 119km at an average speed of 42km/hr, it breaks down and he is immediately given a lift by a passing cyclist who takes him to his destination of an average speed of 66km/h:

Calculate:

a) The time taken for the whole journey. **(2mks)**

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b) His average speed for the whole journey. **(2mks)**

4. One interior angle of a certain polygon is 84^o. If each of the other angles is 147^o, how many sides does this polygon have? **(3mks)**

5. Evaluate using square root, reciprocal and square tables only: **(3mks)**

$$\frac{1}{\sqrt{0.7235}} - \frac{1}{(10.56)}$$

6. The volumes of two similar cans are $12cm^3$ and $216cm^3$ respectively. If the base area of the smaller can is $75cm^2$, find the base area of the larger can. **(3mks)**

7. Find all integral values that satisfy the inequality: **(3mks)**

$2x + 3 \geq 5x - 3 > -8$

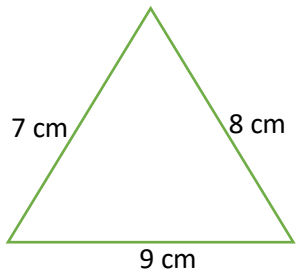
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8. Convert $0.1\dot{2}\dot{3}$ into a fraction. **(3mks)**

9. Use tables to evaluate: **(3mks)**

$$\sqrt{\frac{3.45 \times 16.7}{31.4}}$$

10. Find the area of the triangle below: **(2mks)**



Section B.

11. A line L_1 passes through points (-2,3) and (-1, 6) and is perpendicular to L_2 at (-1,6)

a) Find the equation of L_1. **(2mks)**

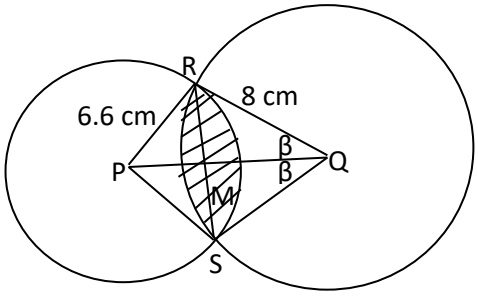
b) Find the equation of L_2 in the form of ax by – c =0 where a b c are constants. **(2mks)**

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c) Given that another line L_3 is parallel to L_1 and passes through point (1,2) find the x and y intercepts of L_3. **(3mks)**

d) Find the points of intersection of L_2 and L_3. **(3mks)**

12. The figure below shows two circles with centres P and Q and of radii 6.6 cm and 8 cm respectively. Centres P and Q are 10 cm apart and PM:MQ = 2:3.



Calculate to 2 decimal places:

a) The size of angle RPS. **(2mks)**

b) The size of angle RQS **(2mks)**

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c) The area of the shaded region. (take $\pi = 3.142$) **(6mks)**

13. The triangle ABC has the vertices(-2,-2)

a) B(-2,-5) and C(-5,-4). Draw $\triangle$ABC on the paper grid provided. **(1mk)**

b) $\triangle$ABC is the image of $\triangle$ABC under reflection in the line $x + y = 0$ draw triangle ABC on the same axes and state its co-ordinates. **(3mks)**

c) $\triangle$ABC is the image of $\triangle$ABC under a positive turn about the origin. Draw $\triangle$ABC under an enlargement centre (0,0) and scale factor -1. Draw $\triangle$ABC and state its coordinates. **(3mks)**

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14. Four towns PRT and S are such that R is 80km directly to the north of P and T is on a bearing of 290^{o} from P at a distance of 65km. S is on a bearing of 330^{o} from T and a distance of 30km. using a scale of 1cm to represent 10km, make on accurate scale drawing to show the relative position of the towns. **(3mks)**

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

b) Find the distance and the bearing of S from R. **(3mks)**

c) Find the bearing of P from S. **(1mk)**

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EXCELLING STUDENTS FORM 2 MID-TERM 3 SERIES 1 EXAMS

NAME: ……..……

SCHOOL: ……..

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

FORM TWO PHYSICS

Time:2Hrs

Section A (40 Marks)

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

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b). i)State two factors that affect the turning effect of a force. **(2Mks)**

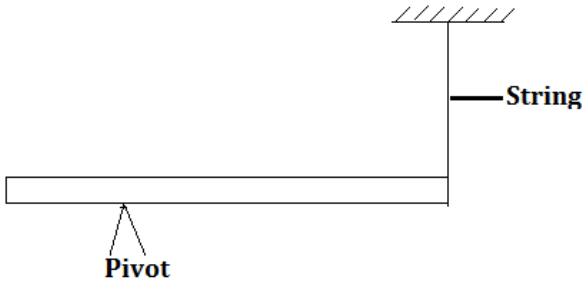
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ii) The figure below shows a uniform rod 4m long and of mass 2kg. It is pivoted 1m from one end and balanced horizontally by string attached at the other end.



Determine the position where the 5kg mass should be placed on the rod so that the rod remains horizontal, hence calculate the tension on the string. **(4Mks)**

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c) Explain why it is easier to use a long hammer to remove a nail than to use a shorter one to remove the same nail. **(2Mks)**

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2 (i) A solid body rests with its flat surface on horizontal ground. State two factors that determine the stability of the body. **(2Mks)**

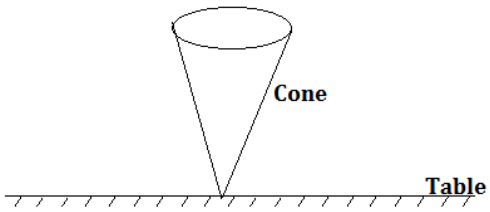
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ii) The figure below shows a cone resting on a flat surface.



a) Name the state of equilibrium of the cone. **(1Mk)**

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

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c) Apart from the states of equilibrium above, state any other two states of equilibrium. **(2Mks)**

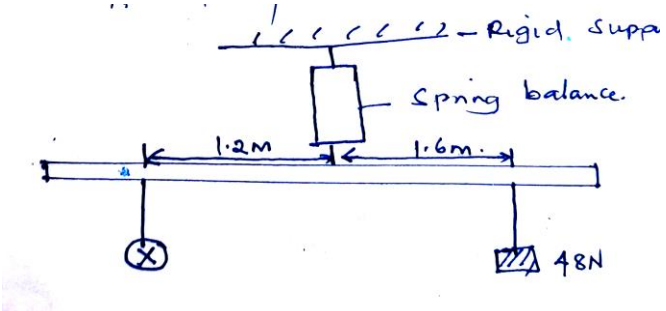
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(iii) The figure below shows a uniform bar which weighs 16N supported by a spring balance at its centre



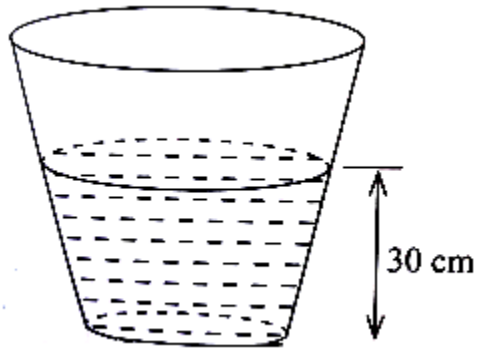
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If the system is at equilibrium

(a) Determine the value of force X **(3Mks)**

(b) Determine the reading on the spring balance. **(2Mks)**

3. The figure below shows a liquid in a pail



a) If the liquid has a density of 1.25gcm $^{-3,}$ determine the pressure exerted at the bottom of the container by the liquid. **(3Mks)**

b) Suggest a reason why pail manufacturers prefer the shape shown above to other shapes. **(2Mks)**

4 A pin 3cm tall is placed 10cm in front of a concave mirror of focal length 8cm. Calculate,

a) The image distance. **(2Mks)**

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b) Nature of the image. **(2Mks)**

c) Magnification of the image. **(2Mks)**

5. State two defects of a simple cell and state how each can be minimized. **(4Mks)**

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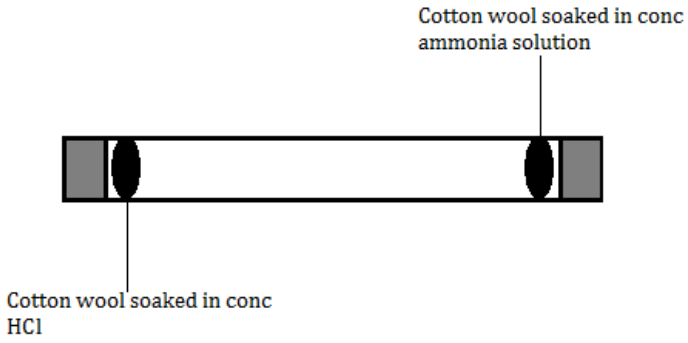
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6a) Some cotton wool is soaked in concentrated ammonia solution and hydrochloric acid were placed at the end of a glass tube shown



b) After sometimes, a white deposit of ammonium chloride forms on the walls of the glass tube. Using a tick (√), show clearly where the white deposit is formed. **(1Mk)**

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c) Explain the observation above. **(2Mks)**

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Section B (30 Marks)

7a) Define the term electrostatics. **(2Mks)**

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b) State and explain observation made when a charged glass rod is moved close to a suspended charged rod. **(4Mks)**

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c) State the law of electrostatics charge. **(2Mks)**

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8. a). State two factors that determine the strength of an electromagnet. **(2Mks)**

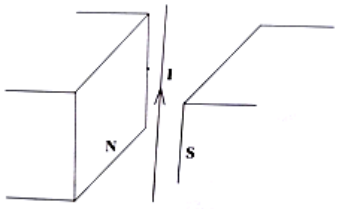
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b) State and show the direction of force on the conductor carrying a current in a magnetic field shown below. **(2Mks)**



c) State the law of magnetism. **(2Mks)**

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d) What are ferromagnetic materials? Give an example. **(2Mk)**

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e) Give three uses of magnets in everyday life. **(3Mks)**

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9. In an experiment to determine the size of oil molecule, the following results were obtained.

i)Volume of 20 drops = 3.3×10^{-8} mm^3

ii) Radius of the patch = 0.1 mm

a) Use the results to estimate the size of oil molecule. **(3Mks)**

b) State any assumption made when estimating the size of the molecule in the oil drop experiment **(1Mk)**

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c) Give a reason why oil spillage in oceans and rivers may be very dangerous. **(1Mk)**

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12 (a). State Hooke's law **(2Mks)**

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b) An object of mass 1kg was hung from the lower end of a spring. If the spring extended by 2cm, what was its spring constant? **(3Mks)**

c) State two properties of brake fluid. **(2Mks)**

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- Past K.C.S.E Papers & Holiday Assignments
- 70 Biology Graphical/Essays Qsns
- 70 Biology Pictorial Practical Qsns
- Poetry & Ushairi Qsns.... e.t.c