Name: …… Adm no ……..…..... Class.....

443/1

AGRICULTURE FORM TWO 2023

END OF TERM ONE

TIME: 2 HOURS

ALL SUBJECTS COMBINED HERE. SCROLL DOWN TO SEE YOUR SUBJECT

INSTRUCTIONS TO CANDIDATES:

- *Answer **ALL** the questions*
- *Answers should be written in the spaces provided*

1. a) Give the meaning of the following terms.

   i) Plantation farming (1mk)

   ……..……

   ii) Large scale farming (1mk)

   ……..……

   ……..……..

   (b) Give two reason why ranching is important in the arid and semi- arid areas of Kenya. (2mk)

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2. Name **two** processes through which carbon is returned to the atmosphere in the carbon cycle (2mk)

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3. Name **two** methods of layering. (2mk)

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4. A farmer is to apply a compound fertilizer 20-30-0 on a vegetable plot measuring 5m long by 4m wide at the rate of 200kg/ha. Calculate the amount of fertilizer the farmer requires for the plot (show your working). (3 marks)

FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

5. State **four** advantages of drip irrigation. (4 marks)

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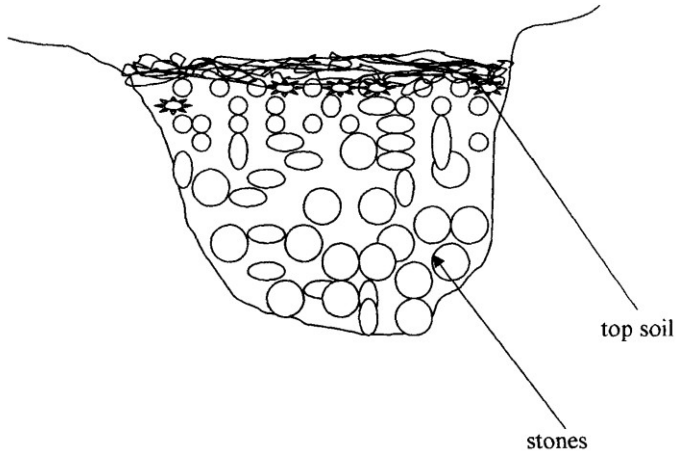
6. Study the diagram below then answer the questions that follow:



a) Identify the method of drainage above. (1mk)

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b) State other **three** methods used to drain swampy areas. (3mks)

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c). Give **four** importance of drainage. (4mks)

FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

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7. State the correct use of each of the following tools. (2mks)

a) Tin snip ……..……

b) Cold chisel ……..……

8. Give **two** ways in which agriculture offer employment. (2 marks)

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9. Distinguish between minimum tillage and sub-soiling as used in agricultural production (2mks)

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10. Name **three** types of farm records that a sheep farmer should keep (3mks)

……..

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……..…

11. Name **three** vegetative materials used in propagation of pineapples (3mks)

……..

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……..…

12. Give **three** disadvantages of mulching in crop production (3 mks)

FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

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13. State **four** factors that influence spacing in crops. (4 marks)

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14. State **four** positive effects of high temperatures on crop production. (4mark)

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15. Give **four** ways of water harvesting in a farm. (4 marks)

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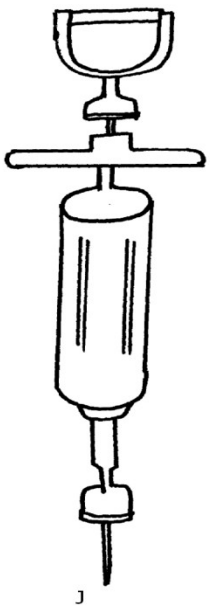
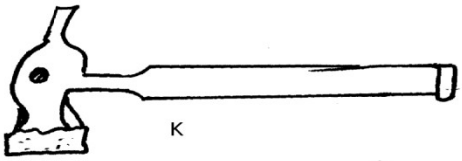
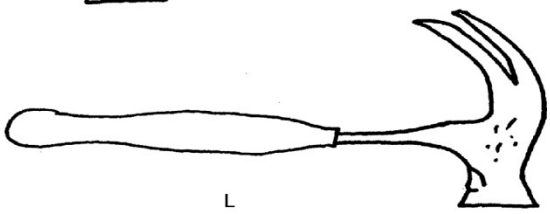
16. Identify the tools and equipment drawn below.



J



K



L

i) Identify tools/equipment J, K and L (3 mks)

J.....

K.....

L.....

ii) State the use of J and K (2mks)

J.....

K.....

iii) Give **one** functional similarity between K and L. (1mk)

.....

.....

iv) Give **two** maintenance practices that should be carried out in too J. (2mks)

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17. Explain **six** management practices that can be carried out by a farmer to maintain soil fertility on his farm. (12 marks)

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FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

NAME…… INDEX NUMBER……

SCHOOL…… CANDIDATE'S SIGNATURE……

DATE……

ENGLISH

TERM 1 2023

TIME: 2 ½ HOURS

FORM 2

Instructions to candidates

a. Write your name and index number in the spaces provided.
b. Sign and write the date of examination in the spaces provided.
c. Answer all questions in the question paper.
d. All the answers must be written in the spaces provided in the question paper.

FOR EXAMINER'S USE ONLY

QUESTION	TOTAL SCORE	CANDIDATE'S SCORE
1	10	
2	20	
3	25	
4	30	
GRAND TOTAL	85	

FOR MARKING SCHEMES AND MORE PAPERS TEXT OR CALL 0724351706

Question 1 Cloze text and Oral skills **(20 marks)**

Cloze text **(10 marks)**

The community and the forces of tradition .....1..... the most important aspects of African society. Tradition .....2..... that everyone walks in the steps of his ancestors; it is formulated in codes of behaviour and morality which must be .....3..... All forms of action, thought of action, thought and ambition .....4..... their springs in these codes. Like the community, these traditions .....5..... formed by the ancestors and their role .....6..... to maintain unity between the living and the dead.

Right from birth, the life of the African child .....7..... the codes of tradition which directs him in society and .....8..... to him his rights and duties-duties in the sense of those social and religious obligations which were .....9..... by the ancestors and which must be fulfilled. By observing these rights and duties, the child .....10..... a dual function.

2. Oral Skills **(10 marks)**

1. Using the following words construct **two** different sentences to bring out **two** different usages of the words.

a) Cow **(2 marks)**

……
……
……
……

b) Desert **(2 marks)**

……
……
……
……

2. *Tutata tutu tutatu turetua ta tutata tutandatu.*

i. Identify the genre **(1 mark)**

……

ii. Why do people use the genre. Give **one** reason. **(1 mark)**

……

3. Arrange the following words according to pronunciation. **(4 marks)**

Exceed, exhale, exodus, exam,

/**e**/	/**i**/
1	1
2	2

Q. 3 Oral Literature

Read the story below and then answer the questions.

In the beginning the sun married the moon. They travelled together for a long time, the sun leading and the moon following. As they travelled, moon would get tired and sun would carry her for three days every month.

One day the moon annoyed the sun and she was beaten up by the sun just the same way some women are beaten up by their husbands. But it happened that the moon was one of those short-tempered women who fight their husbands. When she was beaten up, she fought back and wounded the sun's forc-head. The sun also beat the moon and scratched her face.

When the sun realized that he was wounded, he was embarrassed and said to himself: "I am going to shine so hard that people will not be able to look at me." And so he shone so hard that people could not look at him without squinting. That is why the sun shines so brightly.

As for the moon, she did not feel any embarrassment and so she did not have to shine any brighter. And up to now, if you look closely at the moon, you will see the wounds that the sun inflicted on her.

Questions

1. Categorize this narrative. **(2 marks)**

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2. Imagine that you are to perform this narrative. Discuss **two** ways in which you would make your presentation interesting. **(4 marks)**

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3. Describe **two** character traits each of the moon and the sun. Illustrate your answer**.** **(4 marks)**

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4. Discuss the place of women in the society from which this narrative comes. **(5 marks)**

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5. Identify and illustrate **one** feature of style used in the story. **(2 marks)**

FOR MARKING SCHEMES AND MORE PAPERS TEXT OR CALL 0724351706

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6. Explain **three** reasons why we would study the above category or oral literature, among others. **(3 marks)**

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Question 3 Poetry

Well, son I'll tell you:
Life for me ain't been crystal stair.
It's hard tacks in it,
And splinters,
And boards torn up,
And places with no carpet on the floor
Bare.
But all the time.
It's been a climbing on,
And reaching' landin's,
And turnin' corners,
And sometimes goin' in the dark
Where there ain't been no light.
So.boy, don't you turn back
Don't you set down on the steps
"Cause you find it kinda hard.
Don't you fall now-
For I'se still goin', honey,
I'se still climbin',
And life for me ain't been no crystal stair.

Questions

1. Give the poem a suitable title. **(1 mark)**

.....

.....

2. Who is the speaker and what is being talked about? **(3 marks)**

.....

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3. How will the person addressed overcome the issue the poem is talking about. **(2 marks)**

.....

.....

4. Describe the tone of this poem. **(2 marks)**

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.....

5. Why has the poet used the image of stairs. **(2 marks)**

.....

.....

6. Identify the repeated line in the poem. **(1 mark)**

.....

.....

7. Write the following lines in standard English.

(a) *'I's been a climbing' on* **(1 mark)**

……..

(b) '*And reaching' landin's* **(1 mark)**

8. What do you think is meant by

'it's hard tacks in it **(2 marks)**

.....

.....

.....

Question 4 GRAMMAR **(30 marks)**

a) Rewrite the following sentences according to the instructions given after each. **(4 marks)**

1. Martin is short: He cannot reach the top of the cupboard,

Rewrite the sentence using **'.....enough to.....'**

……

……

2. This book is Jane's (Rewrite the sentence using a **possessive pronoun**)

……

……

3. We wanted to play. The weather was bad. Rewrite as one sentence using a **conjuction**.

……

……

4. A leopard is faster than a gazelle. Rewrite using **.....as.....as**

……

……

b) Choose the correct pronoun from those given in brackets to complete the following sentences.

(3 marks)

1. The battle of supremacy was between *she/her* and me.

……

2. When we asked *(they/them)* what was wrong they referred us to her.

……

3. The teacher gave Ahmed and *(I/me)* an apple.

……

c) Use *a, an or the* to fill in the blanks in the following sentences where necessary. (4 marks)

1. I saw..... Ugandan

……

2. I have been in this class for ..... year now.

……

3. ..... goat is the most destructive animal.

……

4. ..... education should be made available to all children.

……

d) Form abstract nouns from the following words. (4 marks)

1. Courageous.....

2. Gullible.....

3. Sufficient.....

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4. Present.....

e) Find the words not spelt correctly in each of the following sentences and rewrite them correctly.
(4 marks)

1. Many students always mispel very simple words.

……

2. Every month we do the continous assessment test

……

3. Jesus was tested by satan for fourty days in the desert.

……

4. I have not received the book from my neice.

……

f) Complete the passage below using the verbs in brackets in their correct tenses. (6 marks)

Mrs.Karani ..... (return) to school yet, because the trial is still..... (go) on. The bus driver who hit her son denies that the accident was his fault and he says that he ..... (drive) for over ten years. A male passenger in the bus says that Mrs Karani's son was at the side of the road playing with his agemates and he has found a witness who supports him.The police ..... (look) for some more witnesses, but they .....(succeed) in finding any. It is obvious that one side ..... (tell) the truth, since both stories cannot be true.

g) Construct two sentences one showing an *emphasizing pronoun* and the other are *reflexive pronoun.* (2 marks)

1. Emphasizing

……

……

……

……

2. Reflexive

……

……

……

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h) Fill in the gaps with the correct, verb. **(3 marks)**

1. The news..... *were/was* read by Hussein.

2. They ..... *likes/like* mangoes

3. Chaos..... *is/are* what I hate.

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Jina……..Darasa:……Nambari:…
MTIHANI WA MWISHO WA MUHULA WA KWANZA
KISWAHILI
MUHULA WA KWANZA – 2023
KIDATO CHA PILI

MAAGIZO

Jibu maswali yote.

1. UFAHAMU

Soma makala yafuatayo kisha ujibu maswali.

Changamoto kubwa inayowakabili watu wengi katika mataifa yanayoendelea ni suala la chakula. Suala hili linaweza kuangaliwa katika sawia mbili tofauti. Kuna tatizo linalofungamana na uhaba wa chakula chenyewe. Uhaba huu unaweza kutokana na utegemezi mkubwa kwa zaraa kama nyenzo kuu ya uzalishaji wa chakula.

Zaraa katika mataifa mengi hususan yanayoendelea, hutegemea mvua. Kupatikana kwa mvua huathiriwa na mabadiliko ya tabianchi ulimwnguni. Matendo na amali za watu kama ukataji wa miti na uchafuzi wa mazingira huwa na athari hasi kwenye tabianchi hiyo. Mabadiliko ya tabianchi huweza kuvyaza ukama kutokana na **ngambi ya mvua**.

Kibinimethali kutokea wakati mafuriko yanapotokea na labda kuyasomba mazao mashambani na kusababisha baa la njaa. Hali hizi mbili husababisha matatizo makubwa ya chakula na kuathiri pakubwa suala zima la usalama wa chakula. Ili kuzuia uwezokano wa kuwepo kwa shida hii, pana haja ya kuwepo kwa mikakati na sera za kuhakikisha kuna usalama wa chakula. Kwa mfano, pana haja ya kukuza kilimo cha umwagiliaji ili kuepuka **adha** inayosababishwa na ukosefu wa mvua. Kwa upande mwingine, sharti zichukuliwe hatua mufidi za kuzuia na kupambana na athari za gharika.

Changamoto nyingine inahusiana na usalama wa chakula chenyewe. Chakula kilichosibikwa na vijasumu au kwa njia nyingine ile huweza kumdhuru anayehusika. Msibiko wa chakula unatokana na vyanzo tofauti. Mathalan uandalizi wa chakula kilichochafuliwa na choo, kutozingatia mbeko za usafi, uandaaji wa chakula na kukiweka katika hali ya uvuguvugu kabla ya kukipakua – hali inayochochea ukuaji wa viini na ulaji wa chakula kisichoandaliwa vyema.

Ili kuepuka uwezekano wa kuathirika, pana haja ya kuzingatia usafi wa chakula na uandalizi unaofaa. Fauka ya hayo, vyombo cya uandalizi view safi, kanuni za usafi zifuatwe, upikaji na uandaaji uwe kamilifu. Hali hii isipozingatiwa, siha za raia wenyewe zitaathirika pakubwa.

Maswali.

1. Taja aina mbili za kuangalia suala la chakula katika mataifa yanayoendelea. (alama 2)

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2. Taja hatua mbili zinazoweza kuchukuliwa kupambana na tatizo la chakula. (alama 2)

3. Eleza jinsi nne tofauti namna chakula kinavyoweza kuwa si salama? (alama 4)

4. Kwa nini ni rahisi kukipakua chakula baada ya kukiandaa tu? (alama 1)

5. Ni mapendekezo gani anayoyatoa mwandishi kuhakikisha kuwa chakula kinafaa? (alama 4)

MATUMIZI YA LUGHA

1. Kwa kutoa mifano eleza tofauti kati ya**:** (alama 2)

i. Silabi funge

ii. Silabi wazi

2. Onyesha sauti zenye sifa zifuatazo**:** (alama 2)

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i. Kipasuo cha ufizi
ii. Kikwamizo cha kaakaa laini

3. Tambua aina ya nomino katika sentensi zifuatazo**.** (alama 2)
i. Mchanga hufanya miti kumea.

4. Bainisha mofimu katika kitenzi**.** (alama 2)
Kilipikika

5. Tambua vivumishi katika sentensi ifuatayo na ueleze ni vya aina gani**.** (alama 2)
i. Mtoto wake ameng'oka jino.

ii. Msemo wenye tafsida hupendwa.

6. Andika kinyume cha: (alama 1)
Tulinunua nguo aliizozianika jana.

7. Nomino 'uki' iko kwenye ngeli gani. (alama 1)

8. Ainisha vitenzi kwenye fungo zifuatazo: (alama 3)
i. Yatakuwa yangali yanakoma.

ii. Maria na Atieno ni wanafunzi watiifu.

9. Onyesha vielezi katika sentensi zifuatazo. (alama 2)
i. Rais ametutembelea mara sita mwaka huu.

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ii. Nendeni haraka shuleni.

10. Eleza maana inayojitokeza kwenye sentensi ifuatayo. (alama 1)
    i. Waiteni watu wale.

11. Tumia kiwakilishi kisisitizi kutungia sentensi ya wingi wakati uliopita. (alama 2)

ISIMU JAMII

Soma makala yafuatayo kisha ujibu maswali.

Haya ng'ara … Ng'ara leo! Nguo motomoto. Ng'ara leo kwa bei rahisi. Hamsini hamsini shati. Kuona ni bure. Bure kwa bure. Shika mwenyewe ujionee. Bei nafuu. Bei ya starehe. Haya, haya. Usikose mwanangu! Hamsa! Hamsa! Fifty!Hamsa! Fifty! Hamsa na nyingine.

Maswali.

a. Bainisha sajili ya mazungumzo haya. (alama 1)

b. Eleza sifa nane za sajili hii kwa kurejelea kifungu hiki. (alama 4)

FASIHI SIMULIZI.

a. Fafanua maigizo. (alama 2)

b. Ainisha kipera cha maigizo. (alama 4)

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c. Eleza sifa za maigizo. (alama 4)

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Name: …… Adm no ……..…..... Class.....
231
BIOLOGY FORM TWO
END OF TERM ONE
MARCH/APRIL 2023
TIME: 2 HOURS
INSTRUCTIONS TO CANDIDATES:

- *Answer **ALL** the questions*
- *Answers should be written in the spaces provided*

1. Define the following terms. (2mks)

   i) Taxon .....

   .....

   ii) Taxonomy .....

   .....

2. A donkey and a horse can breed and produce a young one called a mule. Explain why they do not belong to the same species. (2mks)

   .....

   .....

   .....

3. Give **one** reason for each of the following operations in microscopy work. (3mks)

   i) Adding a drop of iodine solution.....

   .....

   ii) Covering the specimen with a cover slip. .....

   .....

   iii) Cutting the specimen using a sharp blade. .....

   .....

4. The table below shows the concentration of mineral A and B in sea water and in the cell sap of a certain sea weed.

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Mineral	*Concentration in sea water in (ppm)*	*Concentration in the cell sap in (ppm)*
A	16	108
B	39	11

a) Suggest the physiological process by which mineral A and B were absorbed by the sea weed.

.....(2mks)

b) State and explain the mineral that would fail to be absorbed if the sea weed was treated with respiratory poison. (2mks)

.....

5. Differentiate between fats and oils. (2mks)

.....

.....

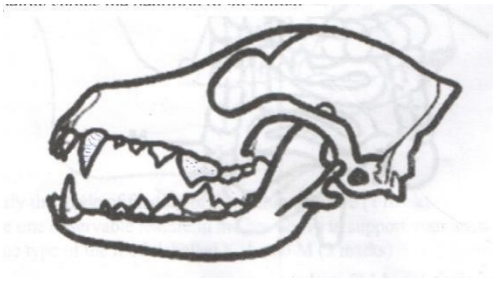
.....

6. Name the element contained in all proteins. (1mk)

.....

.....

7. The diagram below shows the dentition of an animal.



i) Identify the mode of feeding of the animal with the dentition above. (1mk)

.....

.....

ii) Give **two** reasons for your answer in (i) above. (1mk)

.....

.....

.....

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8. State **two** functions of mucous produced in the gastro-intestinal tract. (2mks)

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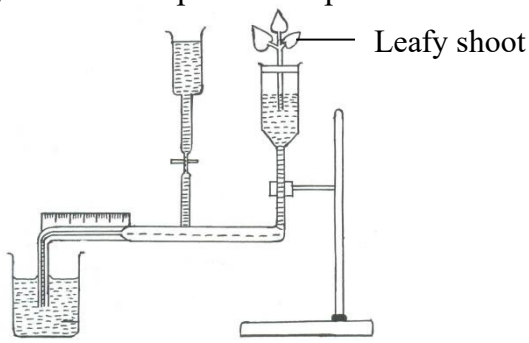
9. The diagram below shows a set-up used to investigate a certain process in plants.



i) Identify the process being investigated. (1mk)

.....

.....

ii) Name the equipment represented by the diagram above. (1mk)

.....

.....

iii) Give **two** precaution that should be taken when setting up this experiment. (2mks)

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10. Explain the following concepts:

i) Some plants fold their leaves in dry weather. (2mks)

.....

.....

.....

.....

ii) Leaves of plants from arid areas have fewer stomata on the upper leaf surface. (2mks)

.....

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11. A lady had her veins swollen at the back of the legs. The swellings are painful.

    a) Name this condition.....(1mk)

    b) What causes the condition?.....(1mk)

    c) How can the condition be corrected? .....(1mk)

12. State **three** differences between open and closed circulatory system. (3mks)

    .....

    .....

    .....

    .....

13. In what chemical form is oxygen transported in the blood. (1mk)

    .....

    .....

14. Give **two** protective roles of mammalian blood. (2mks)

    .....

    .....

    .....

15. Name:

    a) A vitamin that is needed in blood clotting.....(1mk)

    b) A metal ion needed in blood clotting. .....(1mk)

    c) An anti-clotting factor found in mammalian blood that prevents blood from clotting before an injury. (1mk)

    .....

    d) Two enzymes needed in blood clotting. (2mks)

    .....

    .....

    .....

16. State **two** ways in which blood clotting is beneficial to humans. (2mks)

    .....

    .....

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17. State one:-

i) Advantage of people having blood group O. (1mk)

.....

.....

ii) Disadvantage of people having blood group O. (1mk)

.....

.....

18. What is gaseous exchange? (2mks)

.....

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19. Give two reasons why gaseaous exchange is important in human beings. (2mks)

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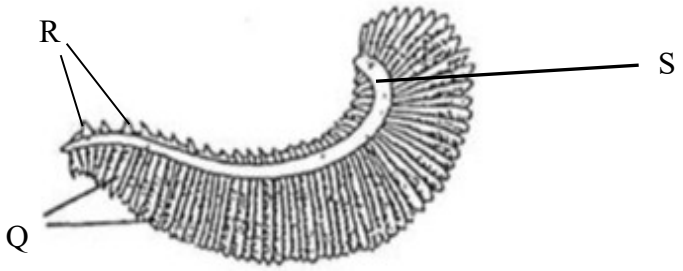
20. The diagram below shows the structure of a gill of a bony fish.



a) Name the structure labeled Q, R and S. (3mks)

Q .....

R.....

S .....

b) State the function of structure Q, R and S. (3mks)

Q ;.....

R ;.....

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S ;.....

c) Give **four** ways in which structure Q is adapted to its functions. (4mks)

.....

.....

21. State **two** theories that explain the mechanisms of opening and closing of the stomata. (2mks)

.....

.....

.....

.....

22. Name the structure or surfaces involved in the gaseous exchange in the following organisms. (4mks)

a) Fish .....

b) Insects.....

c) Plant.....

d) Amoeba.....

23. State **three** factors that affect the rate of breathing in human beings. (3mks)

.....

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.....

.....

24. Describe what happens during the light stage of photosynthesis. (3mks)

.....

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NAME ……ADM……CLASS……

FORM TWO

BUSINESS STUDIES

END OF TERM ONE 2023

Answer all questions in the spaces provided

1.State four characteristics of human wants (4mks)

……

……

……

……

2.State four components of business studies (4mks)

……

……

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3.State four features of a bill of exchange (4mks)

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4.Highlight five features of an effective warehouse (5mks)

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5.State five problem of using rail as a transport means (5mks)

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FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

6.State four types of advertising (4mks)

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7. Outline four elements of transport. (4mks)

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8.State four securities traded at the Nairobi stock exchange (4mks)

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9.State four activities found in primary level of production (4mks)

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10.State four circumstances under which a cheque is appropriate as a means of payment (4mks)

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11.Highlight six factors a trader would consider when choosing a means of communication (6mks)

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12.State four characteristics of mail order stores (4mks)

FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

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13.Highlight four disadvantages of operating a closed office layout(4mks)

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14.Highlight four unethical issues on product promotion (4mks)

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15.State three factors of production (3mks)

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16.State four advantages of written communication (4mks)

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17.State three characteristics of an entrepreneur (3mks)

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FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

NAME: …….. ADM NO: ……. CLASS: ……..
CHEMISTRY
FORM TWO
TERM 1 YEAR 2023
TIME: 1¼ hrs

Answer all the questions in the spaces provided.

1. How many atoms of each element are present in each of the following compounds:
   (a) Ammonium carbonate - (2 mks)

   (b) Zinc chloride - (2 mks)

2. The table below shows some elements in the periodic table. Use it to answer questions that follow. The letters are not the actual symbols of the elements.

P							Q	R
							S	T
V								

   (a) An element K has an atomic number of 20. Indicate its position in the grid. (1 mk)

   (b) Write the formula of the compound formed between V and S. (1 mk)

   (c) Which element belongs to period 2 and group VIII? (1 mk)

   (d) Write the electron configuration of: (3 mks)
   (i) P –

   (ii) Q

   (iii) S –

(e) Using cross (x) or a dot (•) diagram to represent electrons, draw;

   (i) Atomic structure of V. (2 mks)

   (ii) Ionic structure of T. (2 mks)

FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

3. Determine the relative atomic mass of the following elements whose isotopic compositions occur in the proportions given:

(a) Argon

$^{36}_{18}Ar$ (0.34%), $^{38}_{18}Ar$(0.06% and $^{40}_{18}Ar$(99.6%) (2 mks)

(b) Potassium $^{40}_{19}K$(0.01%) , $^{39}_{19}K$ (93.1%) and $^{41}_{19}K$(6.89%) (2 mks)

4. The following table gives a summary of some properties of elements PQR and S. T he letters do not represent the actual symbols of the elements. Study the table and answer the questions that follow.

Element	Electron arrangement	Valency
P	2.2	2
Q	2.7	1
R	2.8.2.	2
S	2.8.8.2	1

(a) Which two elements have similar chemical properties? Explain. (2 mks)

(b) What is the most likely formula of a carbonate of S? (1 mk)

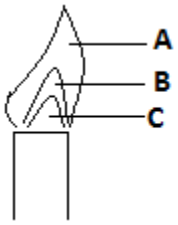
(c) (i) Identify the element which is a non-metal. (1 mk)

(ii) With an explanation, state the family and the period to which the element in (i) above belongs. (2 mks)

FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

5. Name the elements present in the following compounds.
   (i) Zinc sulphide – (2 mks)
   (ii) Sodium nitrate - (2 mks)

6. The figure below shows a type of the flame produced by a bunsen burner. (3 mks)



   (a) Name the parts of the flame labeled A, B and C. (3 mks)

   (b) Name the type of the flame. (1 mk)

   (c) Which of the parts in the above flame is the hottest? (1 mk)

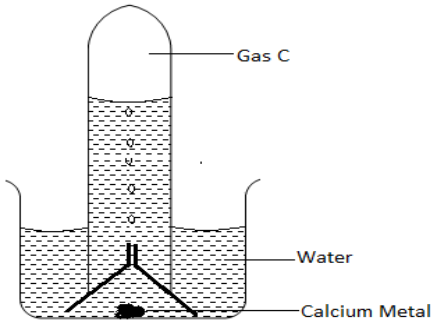
7. Explain why most of the apparatus in the laboratory are made of glass. (2 mks)

8. Solutions may be classified as strong base, neutral, strong acid, weak base or weak acid. The information below gives some solutions and their pH values. Study it and answer the questions that follow.

Solution	pH
A	0.5
B	7
C	14
D	9

   Classify the solutions in the table using the stated classification: (2 mks)
   A –
   B –
   C –
   D –

9. Below is a set up used to investigate the reaction of calcium with water.



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(a) State the observation made in solution. (1 mk)

(b) Identify gas C and state its test. (2 mks)

(c) (i) Write a balanced equation for the reaction between calcium and water. (2 mks)

(ii) State the effect of the solution in C(i) on phenolphthalein indicator. (1 mk)

(iii) State one laboratory application of the solution formed in the reaction. (1 mk)

10. (a) Name the particles that are found in an atom. (1 mk)

(b) Atoms are said to be electrically neutral. Explain. (2 mks)

(c) Distinguish between:
Atomic number and atomic mass. (2 mks)

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NAME: …….. ADM. NO……..…..……

SCHOOL: ……. SIGNATURE……..

DATE ……..……..

313

C.R.E

TERM 1 2023

TIME 2 ½ HOURS

FORM 2

INSTRUCTION TO CANDIDATES

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

This paper consists of 8 printed pages. Candidates should check the question paper to ensure that all the pages are printed as indicated and no questions are missing.

GOLDLITE PUBLISHERS KENYA CALL 0724351706 FOR ANSWERS AND MORE PAPERS

1. a) Explain the role of traditional kinship system. **(7 marks)**

b) Identify **six** specialists in Traditional African Communities. **(6 marks)**

c) Give various Traditional African Moral Values. **(7 marks)**

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2. a) Identify **five** prophecies about the coming of the messiah. **(5 marks)**

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b) Describe the role of John the Baptist. **(8 marks)**

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c) State ways in which Christians play the role of John the Baptist in Kenya today. **(7 marks)**

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3. a) In what ways was the birth of Jesus extraordinary? **(6 marks)**

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b) Describe the visit of Jesus to Jerusalem when he was twelve years old. **(8 marks)**

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c) Identify ways in which Christians can gain favour with God today. **(6 marks)**

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4. a) Explain how John the Baptist prepared the Jews for the coming of the Messiah. **(8 marks)**

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b) State why Jesus was baptized by John the Baptist. **(6 marks)**

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c) Give the relevance of baptism to Christian today. **(6 marks)**

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5. a) Narrate the miracle in which Jesus cast out an evil spirit from a man at Capernaum. **(7 marks)**

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b) Identify eight lessons that Christians learn from the call of the first disciple. **(8 marks)**

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c) How should Christians respond to opposition it the evangelical work today? **(7 marks)**

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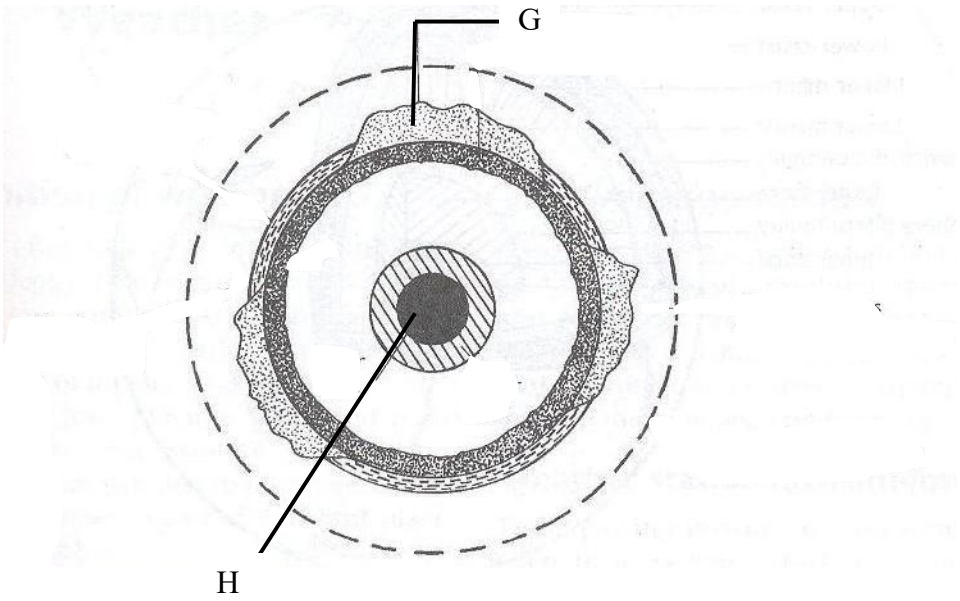
GEOGRAPHY F2 END TERM 1 2023

NAME……ADM NO……CLASS……..

Answer all the questions

1. (a) What is the relationship between Geography and Chemistry? (2mak)

(b) The diagram below shows the internal structure of the earth.



(i) Name the parts marked G and H. (2 marks)

G -

H -

(ii) Name the dominant mineral in the mantle. (1 mark)

2. Differentiate between absolute and relative humidity. (2 marks)

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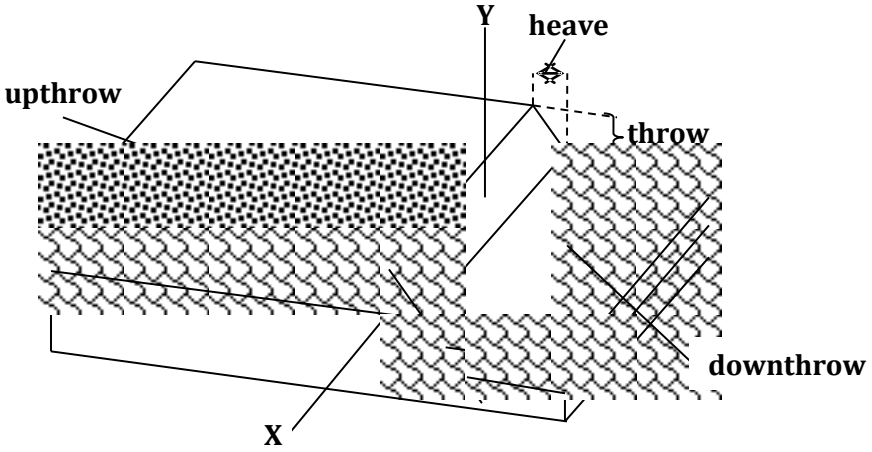
3. The diagram below shows some features formed by faulting. (2 marks)



(a) Name the parts marked X and Y.

X -
Y -

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

4. (a) Identify *two* scales used to measure the intensity of an earthquake (2 mark)

(b) Give *three* major earthquake zones of the world. (3 mark)

(c) Explain *three* economic significance of rocks in Kenya. (3 mark)

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(d) Students carried out a field study on rocks around their school.

(i) State *two* importance of stating the objectives for the study. (2 marks)

(ii) Give *three* reasons why they prepared a route map of the study (3 marks)

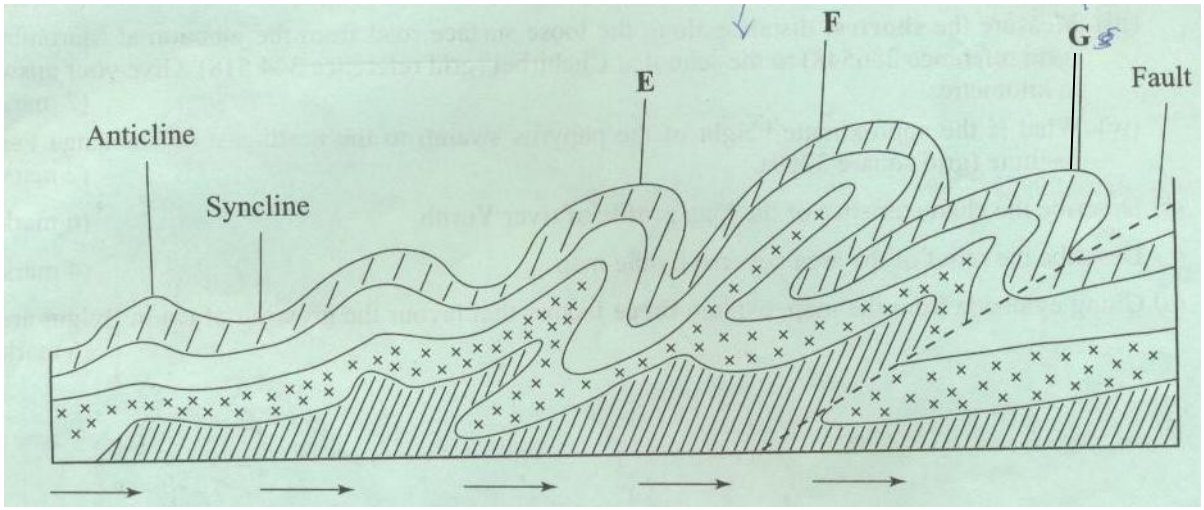
(iii) Give *three* activities that the students where involved in during the field study. (3 marks)

5 (a) (i) What is an orogeny? (2 marks)

(ii) Give *two* factors that influence the folding process of rocks. (2 marks)

(b) The diagram below shows some types of folds. Use it to answer the question

FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706



(i) Name the types of folds marked E and (2marks)

E
F

(ii) Describe how an overthrust fold is formed. (4 marks)

(c) Name the countries in which the following fold mountains are found.

(i) Atlas (1 mark)

(ii) Alps (1 mark)

(iii) Himalayas (1 mark).

(iv) Andes (1 mark)

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

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(ii) Explain *four* ways in which fold mountains influence climate .(8maks)

6. (a) Define the term planet (2mks)

7. Differentiate between relative humidity and absolute humidity. (2mks)

8. With the aid of a well labeled diagram, describe how aerographic rain is formed. (7mks)

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NAME: …… ADM NO: ……. CLASS: …….
FORM TWO HISTORY
END OF TERM 1 EXAM – 2023
TIME: 2 HOURS

Answer all the questions in the spaces provided.

SECTION A: (40 MARKS)

Answer all the questions from this section.

1. Name two sources of history of Kenyan communities during pre-colonial period. (2 mks)

2. Identify three similarities between early agriculture in Mesopotamia and Egypt. (3 mks)

3. State two reasons why the Portuguese were able to conquer the coastal towns by 1500AD.(2 mks)

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

5. Give two reasons that can make a registered person to loose citizenship in Kenya. (2 mks)

6. Identify three ways in which education system in Kenya promotes National unity (3 mks)

7. State three ways in which poor transport systems have contributed to food shortage in Africa. (3 mks)

FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

8. Give four effects of telecommunication in modern society. (4 mks)

9. Name any two early sources of energy. (2 mks)

10. Give any three limitations of using fire and smoke signals in communication. (3 mks)

11. State three roles of tuaregs in Trans-Saharan trade. (3 mks)

12. Identify the two examples of regional trade. (2 mks)

13. Identify any two factors that may limit national unity in Kenya. (2 mks)

14. Give two reasons why the Portuguese build Fort Jesus. (2 mks)

15. State two factors that made the Akamba to participate in long distance trade during 19th century. (2 mks)

16. Identify the three species of homo sapiens. (3 mks)

SECTION B: (30 MARKS)

Answer any two questions.

17. (a) Identify five ways in which slaves were acquired during Trans-Atlantic trade. (5 mks)

    (b) What were the results of Trans-Atlantic trade in West Africa? (10 mks)

18. (a) What factors made early man to domesticate crops and animals. (3 mks)

    (b) Explain the causes of food shortage in third world countries. (12 mks)

19. (a) Why did the industrial revolution take place in Britain ahead of other European countries? (5 mks)

    (b) Explain five ways in which development of iron technology affected African communities. (10 mks)

NAME: …….. ADM NO: ……. CLASS: …….
FORM TWO MATHEMATICS
END OF TERM 1 YEAR 2023 EXAM
TIME: 1 ½ HOURS

Attempt all the questions in the spaces provided.

1. Solve for x in the equation: (3 mks)

$$32^{(x-3)} \times 8^{(x+4)} = 64 \div 2^{x}$$

2. Simplify without using a calculator or a mathematical table

$$\frac{\sin 90^{o} \cos 45^{o}}{\sin 45^{o}}$$

(2 mks)

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

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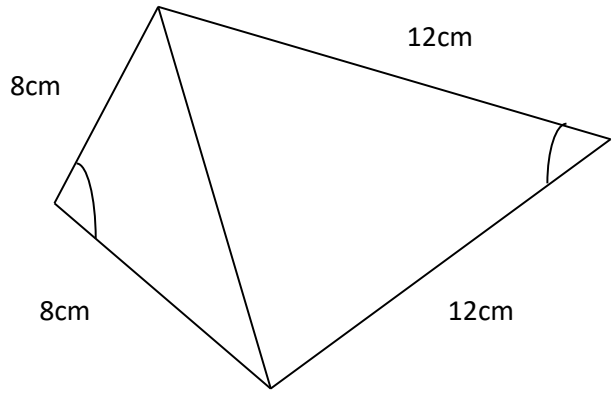
4. A group of 5 people can do a piece of work in 6 hours. Calculate the time a group of 8 people, working at half the rate of the first group could take to complete the same work. (3 mks)

5. Calculate the area of the shape below. (3 mks)



6. The length of a minute hand of a clock is 3.5cm. Find the angle it turns through if it sweeps an area of 48cm. (Take $\pi = 22/7$) (2 mks)

7. Two years ago, Jane was twice as old as John. If the sum of their ages 5 years from now will be

44 years, calculate their present ages. (3 mks)

8. Express $1.9\dot{3} + 0.2\dot{5}$ as a single fraction. (3 mks)

9. The surface area of two similar bottles are $12cm^2$ and $108cm^2$ respectively. If the larger one has a volume of $810cm^3$, find the volume of the smaller one. (3 mks)

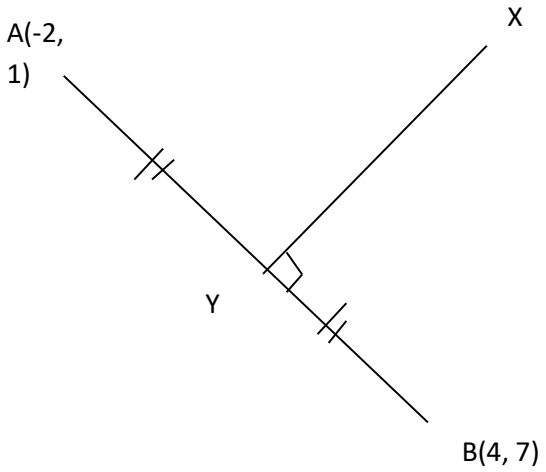
10. Simplify the following expression

$$\frac{7x - 7xy}{7 - 7y}$$ (2 mks)

11. Use mathematical tables to evaluate: (4 mks)

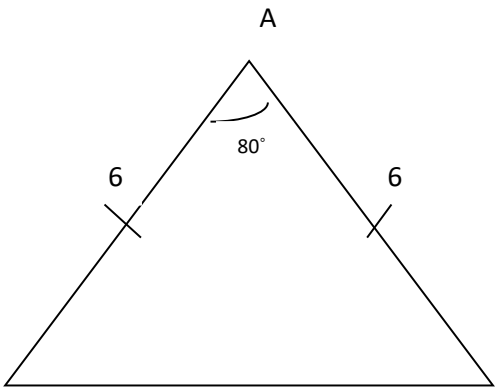
$$\sqrt{\frac{1.794 \times 0.038}{12.43}}$$

12. In the diagram below, determine the equation of the line XY in the form y = mx + c (3 mks)



13. An aircraft flying onto an airport calls out the control tower and says it is at height of 500m above the tower. If its horizontal distance from the tower is 8km, calculate the angle of elevation from the tops of the tower. (3 mks)

14. The figure below shows an isosceles triangle in which AB = AC = 6cm. Angle BAC = 80˚. Calculate the length of BC.



(3 mks)

15. Solve the equation. (1 mk)
Sin y2 = Cos 26˚

SECTION II(30 MARKS)

Choose any three questions only.

16. The vertices of a triangle PQR are P(0, 0) Q(6,0) and R(2,4)
(a) Draw triangle PQR on the grid provided. (1 mk)

(b) Triangle P'Q'R' is the image of a triangle PQR under an enlargement scale factor ½ and centre (2,2) write down the coordinates of P'Q'R' and plot on the same grid. (3 mks)

(c) Draw triangle P"Q"R" the image of triangle P'Q'R' under a positive quarter turn about point (1,1) (3 mks)

(d) Draw triangle $P^{III}Q^{III}R^{III}$ the image of P"Q"R" under a reflection in the line y = 1.

17. In a school, there are 1250 students, each student contributed sh 380 towards a welfare programme. The money contributed was used to purchase 75 bales of maize flour which was shared equally among 50 families. One bale of maize flour contains 12 packets and costs sh 1050. The remaining amount was shared equally among 125 students as bursary. Calculate:
(a) The total amount collected. (2 mks)

(b) The total number of maize flour bought (2 mks)

(c) The number of packets each family got. (2 mks)

(d) The amount of money that remained. (2 mks)

(e) The amount of bursary that each student got. (2 mks)

18. Find the area in hectares of a maize field whose measurements are shown in the field book below. The baseline PQ is 300m long. (10 mks)

	Q	
	250	70B
C100	180	
	80	150A
	P	

19. The marked price of a sewing machine is sh 30,000. A discount of 10% is given on cash payment. The sewing machine can also be bought on hire purchase. The hire purchase terms requires a deposit of sh 10500 followed by 12 equal monthly installments of sh 2150 each.

(a) Calculate:

(i) The cash price of the sewing machine. (2 mks)

(ii) The hire purchase value of the sewing machine. (3 mks)

(b) Korir bought the sewing machine by cash while Akinyi bought it on hire purchase. How much did Akinyi pay for the machine than Korir? (3 mks)

(c) Calculate the percentage increase in hire purchase price over the marked price.(2 mks)

20. (a) Complete the following tables for the equations:
(i) $y = 5x - 7$
(ii) $y = 9 - 3x$

Table 1

X	-2	-1	0	1
y		-12		7
(x,y)		(-1, -12)	(0, -7)	

Table 2

X	-2	-1	0	1
y	13			7
(x,y)	(-2, 13)			(1, 7)

(b) On the same grid, draw the graphs of: (4 mks)
(i) $y = 5x - 7$
(ii) $y = 9 - 3x$

(c) Use your graphs to solve the following simultaneous equations. (2 mks)
$5x - y = 7$
$3x + y = 9$

END TERM ONE, 2023
PHYSICS PAPER TWO FORM THREE
NAME……...…ADM NO……..CLASS..…….…....

SIGNATURE…..……..……..…DATE……

SECTION A: (25 MARKS)

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

1. State the laws of refraction (3 mks)

2. a) Define local action (1mk)

b) A charge of 4.8C flows through a lamp every second. Calculate the number of electrons involved per second. (3mks)

c) Give two differences between a primary and a secondary cell (4mks)

3. The figure below shows two mirrors M_1 and M_2 placed at angle of 80°. A ray of light incident to the mirror makes an angle of 45° with mirror M_1. Find the angle the ray turns after reflection in the two mirrors. (3mks)

FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

4. A hockey player trains on a nylon fiber surface. As he runs around, his shoes rub against the surface and he becomes positively charged.

(i) Explain in terms of particles involved, how he becomes positively charged. (1mk)

_____

_____

_____

(ii) State what happens to the nylon-fiber surface as it becomes positively charged. (1mk)

_____

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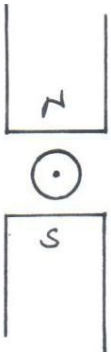
5. State **two** defects of a simple cell. (2mks)

_____

_____

6. The diagram in figure 3 below shows a current carrying conductor placed in a magnetic field.



(i) Sketch the resulting magnetic field pattern. (1mk)

(ii) On the diagram show direction of force.

7. What is dispersion of light? (1mk)

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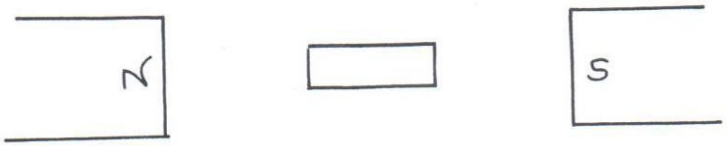
8. The figure below show a cubic rubber placed between two poles of a magnet. (1mk)

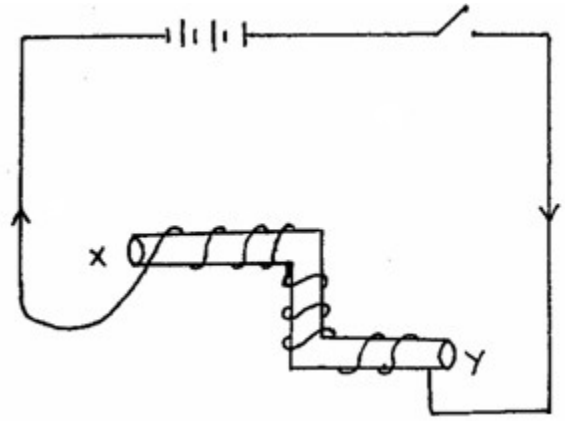


FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

Complete the diagram to show the magnetic field pattern between the poles of the magnet. (1mk)

9. The diagram in figure **7 below** shows one method of making a magnet.

Fig.7



What polarity is at **X** and **Y** when the switch is closed.

X = _____ (1 mark)

Y = _____ (1 mark)

SECTION 11 (55 MKS)

1yf3. A parent comes to you seeking your advice whether to use a white shawl or a black one to wrap her child to kept it warm. Which shawl would you advice to use and why? (2 marks)

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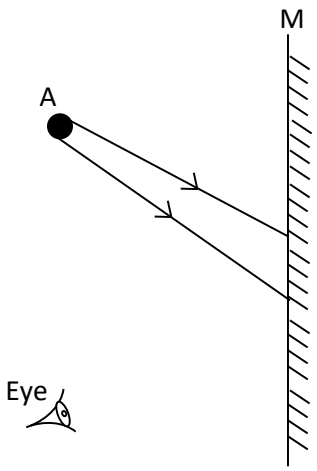
_____

14. Complete the figure **10 below** to show the position of the image of object A in the mirror M. (2 marks)

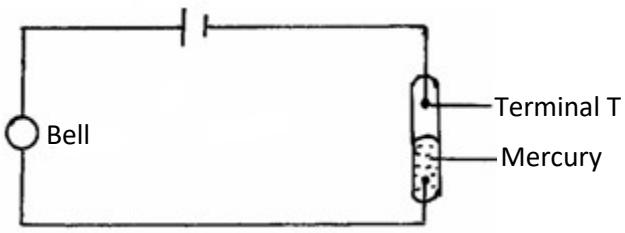
Fig.10



FOR ANSWERS AND MORE SETS TEXT OR CALL 0724351706

15. Figure **11** shows a fire alarm circuit.

Fig.11



Explain how the fire alarm functions. (3 marks)

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16. A highly negatively charged rod is gradually brought close to the cap of a positively charged electroscope. It is observed that the leaf collapses initially and then diverges. Explain the observation.

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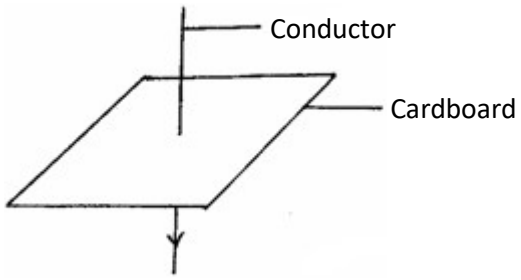
(3 marks)

17. In figure 12 the arrow indicates the direction of the current in the conductor. Sketch on the diagram the magnetic field pattern due to the current. (1 marks)

Fig.12



18. (i) In estimating the height of a tree, the following measurements were recorded:
Height of the rod = 180cm.

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Length of the shadow of the rod = 116cm
Length of the shadow of the tree = 420cm
Calculate the height of the tree. (3 marks)

(ii) State **three** methods of making magnets. (3 marks)

.

20. 17. (a) Define an echo. (1mk)

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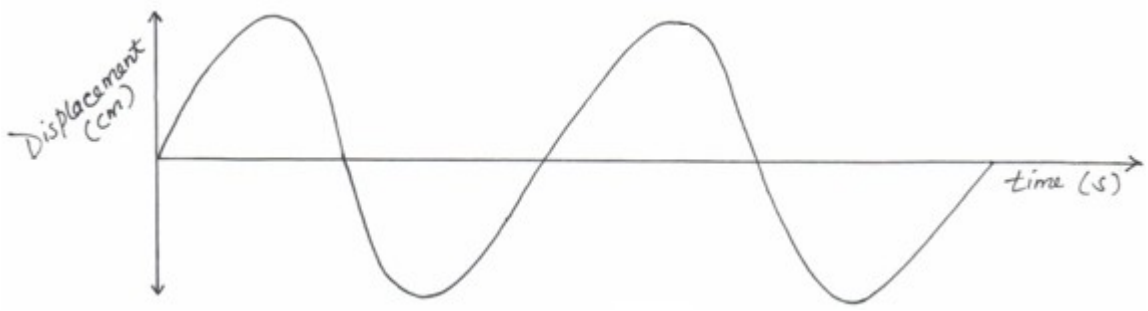
(b) The figure below shows the displacement time graph of a wave.



Sketch on the same axes a wave of twice the frequency and half the amplitude of the above waveform. (2mks)

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(c) A hunter standing between two parallel cliffs hears a lion roar some distance away from him with the same valley. He observes the first echo after 1.5 seconds followed by the second echo after 2.8 seconds. If the hunter stands at equidistance from the first cliff, determine how far the lion is from the hunter. (Take speed of sound in air to be 332m/s). (3mks)

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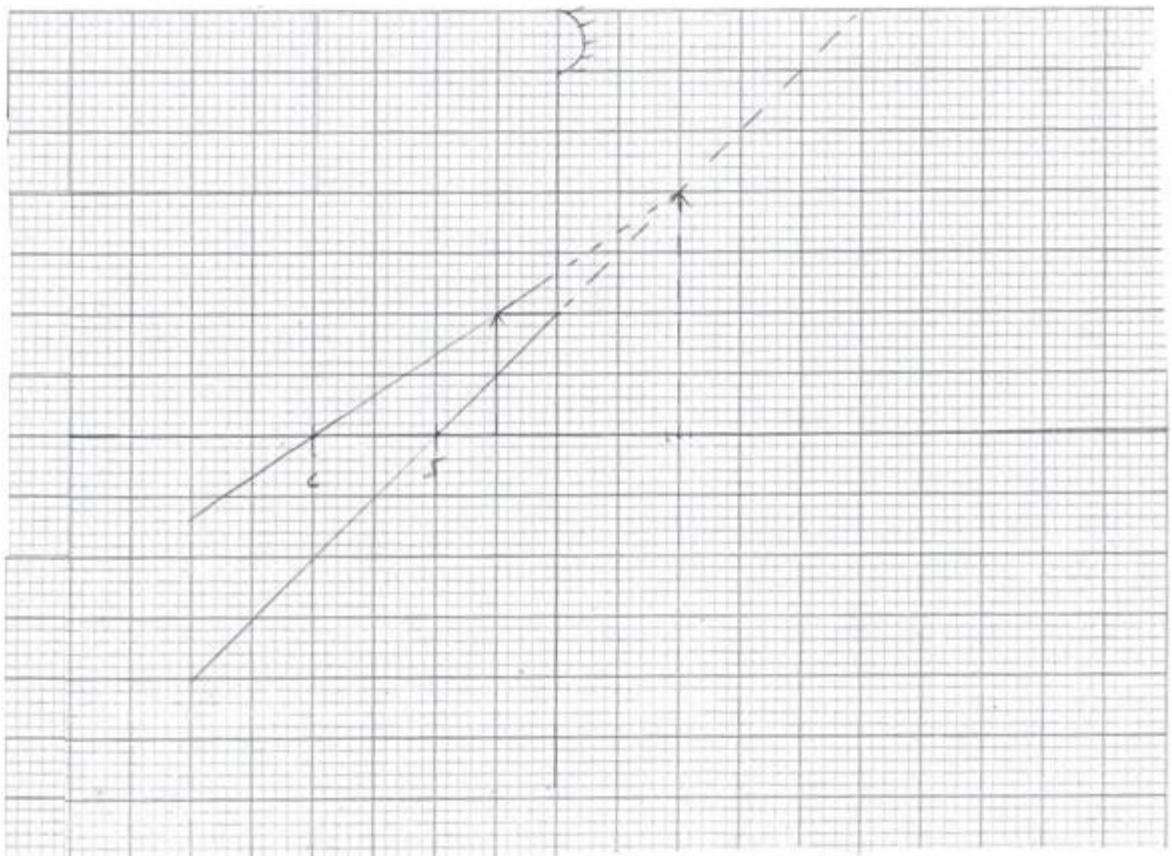
18. The figure below shows an object placed in front of a concave mirror of focal length 10cm. C is the centre of curvature.



(a) On the same figure draw a ray diagram showing the location of the image. (3mks)

Use the ray diagram drawn in (a) above to determine the (1mk)

(i) image distance.

_____

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(ii) magnification. (3mk)

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_____

_____

_____

(b) A vertical object is placed 20cm in front of a concave lens of focal length 5cm.
Determine

(i) the image distance. (3mks)

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(ii) the magnification (2mks)

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21. a) State the laws of reflection (2mks)

b.) Two plane mirrors $\mathbf{M_1}$ and $\mathbf{M_2}$ and inclined toe ach other and a ray of light shone on $\mathbf{M_1}$ as shown:

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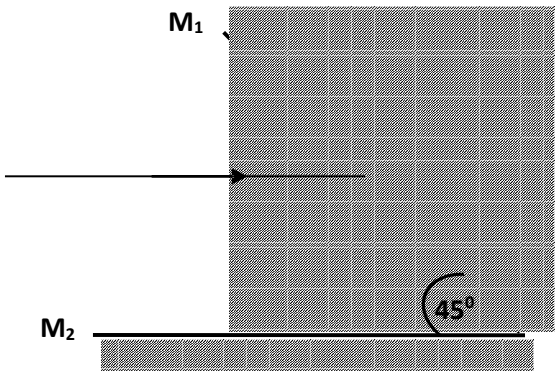

Show on the diagram the path followed by the ray until it is reflected by **M_2** (2mks)

c.) Define the following terms as used in refraction (4mks)

i. Absolute refractive index

ii. Total internal reflection

iii. Critical angle

iv. Refraction

d.) i. Given that bthe refractive index of diamond is 2.42 and the velocity iof light in air 3.0 X 10^8 m/s,calculate the velocity of light in diamond. (3mks)

ii. A glass block of thickness 12 cm is placed on a mark placed on a plain paper. The mark is viewed normally through the glass. Calculate the apparent depth of the mark and hence the vertical displacement. (refractive index of glass is 1.5) (3mks.)

iii.State Snell's law of reafraction. (2mks)

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1. a) Define magnification (1mk)

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……

b) State two differences between a concave and a convex reflectors (2mks)

……

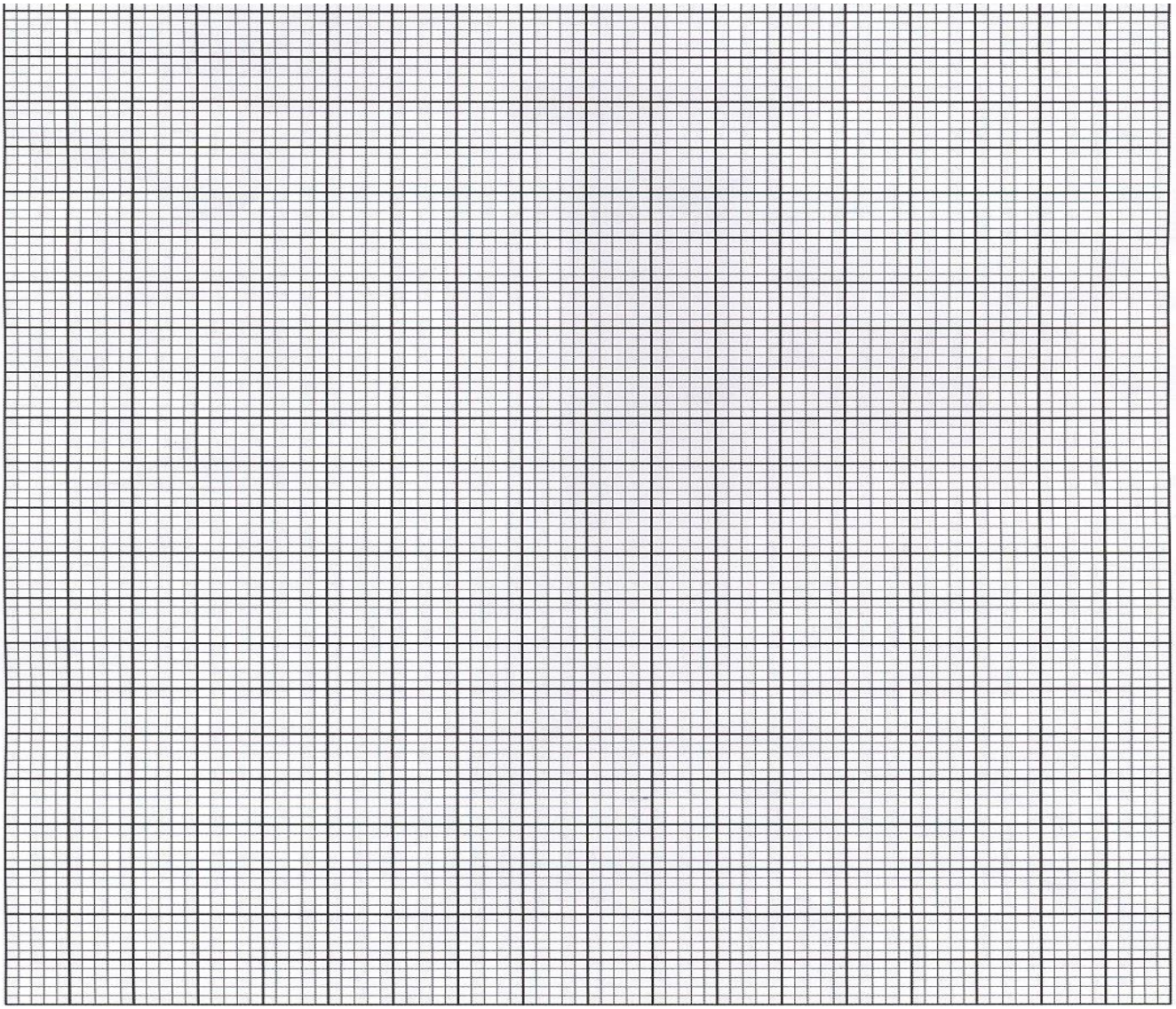
……

……

c) a concave mirror of focal length 20 cm forms a real image three times the size of the object. If the object height is 4cm; determine, using graphical method, the:

(i)object distance (3mks)

(ii) The image distance (1mk)



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END OF TERM ONE, 2023

PHYSICS FORM TWO

NAME: ……..ADM NO: ……..CLASS: …….

INSTRUCTIONS.

1. Answer all questions in the spaces provided below.

1. Define the following terms giving appropriate examples. (4mks)
   a) Magnetic materials-

   b) Non-magnetic materials-

2. 0.01cm3 of oil spreads out on water to form a patch of diameter 28cm. estimate the diameter of an oil molecule ,and express your answer correct to 3s.f.g. (3mks)

3. A uniform meter rule with a mass of 200g suspended at zero mark is pivoted at the 22.0cm mark. Calculate the mass of the rule. (4mks)

4. State **three** uses of magnets. (3mks)

5. Explain the following. (4mks)
   a) Principal of moments of a force.

   b) Moment of a force is a vector quantity.

6. The micrometer screw gauge below has a zero error of -0.15.Determine the final Redading of the instrument. (3mks)



7. State **two** factors that affect the centre of gravity. Explain each briefly. (4mks)

8. State **two** practical applications of the C.O.G. (2mks)

9.A solid weighs 36N on the Moon .The force due to gravity on the moon is 1.7N/Kg. Determine the mass of the solid. (3mks)

10. Use simple sketches of a cone to illustrate the three states of Equilibrium. (3mks)

11.a) Give a reason why water is not suitable as a barometric liquid. (2mks)

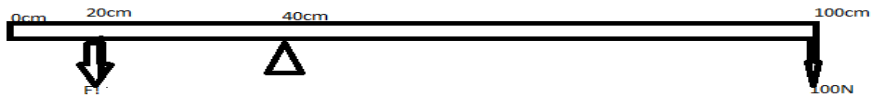
b) Explain the application of 11(a) above. (1mk)

12.Determine the density in SI units of a solid whose mass is 40g measuring 30cm long, 4cm wide and 3cm thick. (4mks)

14.a).Sketch **two** diagrams of a wire loop dipped in soap solution to illustrate the surface tension experiment. (2mks)

b) Explain the observation in 14 (a) above. (2mks)

15.A uniform wooden bar of length 1m and mass 5kg is pivoted at 40cm mark as shown below.
Calculate the value of F1. (4mks)



16. Using domain theory of magnetism, explain how a magnet may lose its magnetism on heating and hammering. (4mks)

17. Distinguish between soft and hard magnetic materials. (2mks)

18. A boy jumping from a high table tends to spread his legs. Explain (1mk)

19. State **two** differences between mass and weight. (2mks)

20. State **two** practical applications of friction. (2mks)

21. What is wrong with the statement." the mass of an astronaut in the moon is $1/6^{th}$ his mass on earth". (1mk)

22. State the **two** conditions for a body to be in equilibrium. (2mks)

23. Explain what is meant by magnetic shielding and state one application of magnetic shielding. (2mks)

24.a)Define the following terms. (2mks)

i) Principal focus-

ii) Radius of curvature-

25. An object is placed 30cm from a concave mirror of focal length 20cm.
Calculate. i) The image position (2mks)

ii) The magnification (2mks)

26. State **one** advantage and one disadvantage of using a convex mirror. (2mks)