



THE REPUBLIC OF UGANDA

KAZO DISTRICT PRIMARY SCHOOLS

HEADTEACHERS' ASSOCIATION

PRIMARY LEAVING MOCK EXAMINATION, 2023

PRIMARY SEVEN

SOCIAL STUDIES & RELIGIOUS EDUCATION

Time Allowed: 2 hours 15 minutes

Random Number	Personal Number

Candidate's Signature.....

District ID:.....

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3. Section B has 15 questions (60 marks).
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FOR EXAMINER'S USE ONLY		
Qn. No.	Marks	Exrs' No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A: (40 Marks)

Questions 1 to 40 carry one mark each.

1. Give **one** cultural practice that can promote peace in our community.

2. How is a zebra crossing useful to road users?

3. What is the direction of Uganda from Rwanda?

4. Which weather condition favours the winnowing of seeds?

5. Name the mountain in Uganda formed as result of faulting.

6. Mention the organisation that replaces the League of Nations.

7. How is E.A.L.A related to the East African community?

8. State any **one** condition that can lead to bye-elections in Uganda.

9. Identify any **one** cause of child labour in our homes today.

10. In which way do we care for the vegetation in our district? □

11. Which system replaced barter trade in Uganda?

12. Name any **one** feature for locating places in our sub-county.

13. How useful are the class rules and regulations to a P.6 child?

14. Why are desert places very cold at night?

15. Mention **one** reason why trees in the tropical rain forests grow tall.

16. Give **one** group of people who provide security in our community.

17. In which way is the District Agricultural Officer important to the farmers?

18. State any **one** way in which rural electrification can help to conserve our environment.

19. Mr.James deals in the sale of flowers and wants to take his flowers to Juba. Which means of transport should he use?

20. Which political party led Tanganyika to independence?

21. Why do places along the equator receive heavy rainfall?

22. Give **one** way through which people meet their needs.

23. Mention any **one** danger of an extended family.

24. Why did the British introduce cash crop growing in Uganda?

25. Identify any **one** way of managing wastes in East Africa.

26. State any **one** reason why the mining industry is less developed in Africa.

27. Name the type of lake formed as a result of river meandering.

28. Which type of leaders are obtained hereditary?

29. How useful is Uganda Revenue Authority to the government of Uganda?

30. Explain briefly the term resources.

31. Identify any **one** example of children's rights.

32. Mention any **one** advantage of high population to Uganda.

33. State any **one** way a school can benefit from the community.
34. Why are game parks in Uganda located in savannah grasslands?
35. In which country was the Mau Mau movement staged?
- For each of the questions 36 to 40, answer EITHER Christianity OR Islamic BUT NOT BOTH in a number.**
36. Either: Name the Holy place where Christians attend their congregational prayers.
Or: Name the Holy place where Moslems attend their congregational prayers.

37. Either: Give any **one** commandment in the Holy Bible.

Or: Give any **one** pillar of Islam.

38. Either: What is Holy Matrimony?

Or: What is Nikka?

39. Either: Name the period Christians use for fasting.

Or: Name the Holy month Moslems use for fasting

40. Both: Mention any **one** charitable work the faithful can do in the communities.

SECTION B: (60 Marks)

Questions 41 - 55, carry four marks each.

41. (a) What is a kingdom?

- (b) State any **two** economic importance of a kingdom to the people where it is found.
(i)
(ii)
(c) Point out any **one** challenge faced by kingdoms.

42. (a) Mention any **two** sources of government revenue.
(i) _____
(ii) _____
- (b) Why is tourism called an industry?

- (c) Give any **one** reason why smuggling is being discouraged by the government.

43. (a) What is the mineral obtained from Lake Albert?

- (b) Name the river that connects Lake George to Lake Victoria.

- (c) Why is Miombo woodland sparsely populated?

- (d) How important is Port Mombasa to the economy of Uganda?
44. (a) Outline any **two** traditional means of communication.
(i) _____
(ii) _____
- (b) Give any **two** disadvantages of telephones to a school going child.
(i) _____
(ii) _____
45. (a) Who is the representative of the president in a district?

- (b) Give any **two** roles of religious leaders in our district.
(i) _____
(ii) _____
- (c) State any **one** challenge faced by leaders.

46. (a) Where are the headquarters of the East African Development Bank?

- (b) List any **two** challenges facing the East African Community.
(i) _____
(ii) _____
- (c) How important is the East African Community to the member countries?

47. (a) Why is Kwame Nkrumah remembered in the history of Ghana?

(b) State any **two** ways through which Pan-Africanists struggled for the independence of Africa.

(i) _____

(ii) _____

(c) Name the organisation which was formed to unite all the African countries after OAU.

48. (a) Mention any **two** importance of promoting security in the community.

(i) _____

(ii) _____

(b) State any **two** ways in which insecurity affects the people in the community.

(i) _____

(ii) _____

49. (a) Give any **two** challenges people face in meeting their needs.

(i) _____

(ii) _____

(b) State any **two** ways in which leaders help people to meet their needs.

(i) _____

(ii) _____

50. (a) **Match the elements of a good map in list A to their uses in list B correctly.**

A

Compass

To tell what a map is all about.

Scale

To find the direction of places on map.

Key

To calculate the actual ground distance between places.

Title

To interpret symbols used on a map.

B

(a) Compass _____

(b) Scale _____

(c) Key _____

(d) Title _____

For each of the questions 51 to 55, answer either Christianity or Islamic but not both in a number.

51. **Either:** (a) What is success in a Christian's life?

(b) State any **two** signs of success.

(i) _____

(ii) _____

(c) Give any **one** cause of failure in a Christian's life.

Or: (a) What is success in Islamic faith?

(b) State any **two** signs of success.

(i) _____

(ii) _____

(c) Give any **one** cause of failure in an Islamic life.

52. **Either:** (a) Name the companion God gave to Adam.

(b) Give **two** reasons why God created Adam.

(i) _____

(ii) _____

(c) State any **one** punishment God gave Adam for disobeying him.

Or: (a) Name the partner Allah gave to Adam.

(b) Give **two** reasons why Allah created Adam

(i) _____

(ii) _____

(c) State any **one** punishment Allah gave for disobeying him.

53. **Either:** (a) Mention any two examples of talents.

(i) _____

(ii) _____

(b) Give any two importance of talents.

(i) _____

(ii) _____

Or: (a) Mention any two examples of talents.

(i) _____

(ii) _____

(b) Give any two importance of talents.

(i) _____

(ii) _____

54. **Either:** (a) Identify any two Prophets in the Holy Bible.

(i) _____

(ii) _____

(b) State any two roles played by Prophets in the Holy Bible.

(i) _____

(ii) _____

Or: (a) Identify any two Prophets in Islam.

(i) _____

(ii) _____

(b) State any two roles played by Prophets in Islam

(i) _____

(ii) _____

55. **BOTH:** (a) Name any two religious organisations found in Uganda.

(i) _____

(ii) _____

(b) Identify any two contributions of religious organisations towards the development of Uganda.

(i) _____

(ii) _____



****END*****



THE REPUBLIC OF UGANDA

**KAZO DISTRICT PRIMARY SCHOOLS
HEADTEACHERS' ASSOCIATION
PRIMARY LEAVING MOCK EXAMINATION, 2023
PRIMARY SEVEN
ENGLISH**

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52		
53		
54	.	
55		
TOTAL		

SECTION A (50 Marks)

Sub - Section I

In each of the questions 1 to 5, fill the blank spaces with a suitable word.

1. The debate was presided _____ by the chairman.
2. _____ Egyptian trader was killed by some robbers.
3. If I were a lion, I _____ kill all the animals around me.
4. John is advised to take his shoes to the _____ to be repaired.
5. Lets go swimming, _____ we?

In each of the questions 6 -15, use the correct form of the given words in brackets to complete the sentences.

6. Jane has refused to eat the _____ beef. (freeze)
7. Out of the three girls, Chalot has the _____ amount of money.
(little)
8. Why is Simon Peter _____ in the class? (to lie)
9. All the children listened to the Headteacher's _____ attentively. (speak)
10. The candidates have _____ promised to pass this examination. (hope)
11. A friend of _____ passed in division one last year. (we)
12. Afeku got the _____ position in the last term's exams. (forty)
13. Who gave _____ to the children to leave school early? (permit)
14. A Python is not a _____ snake. (danger)
15. The bell is always _____ by the timekeeper. (ring)

In questions 16 - 17, arrange the given words in alphabetical order.

16. bite, beat, bit, bat.

17. idle, dodge, carbon, edge.

In questions 18 - 19, use each of the words given in a sentence to show that you know the difference in their meaning.

18. piece: _____
19. peace: _____

In questions 20 - 21, re-write the sentence giving the opposite of the underlined word.

20. Our nephew attended the party.

21. The class was quiet when the teacher went out.

In questions 22 - 23, re-arrange the given words to form correct sentences.

22. must candidate A obedient good be.

23. is clever she a girl What!

In questions 24 - 25, write the following abbreviations in full.

24. Rev. _____

25. C/o _____

In questions 26 - 28, re-write the sentences giving one word for the underlined group of words.

26. My sister bought some meat from the place where it is sold.

27. Kayen Suzan has lived in America for a period of ten years.

28. The young one of a rabbit was eaten by a dog.

In questions 29 - 30, re-write the sentence giving the plural form of the underlined words.

29. The seamstress sewed lady's dress.

30. The old man's houses have leaking roof.

Sub - Section II

In each of the questions 31 to 50, re-write the sentences as instructed in the brackets.

31. Kenyi is not good at Mathematics. Waku is not good at Mathematics.
(Re-write beginning: Neither.....)

32. He is very active. He can finish the work within two days.
(Join the sentences using:.....such a.....that.....)

33. Data is a candidate. Raima is a candidate.
(Join the sentences beginning: Both.....)

34. Allan is very young. He cannot go to school alone.
(Join using:.....enough.....)

35. Moses came to school late because his vehicle had a mechanical fault.
(Re-write as two separate sentences)

36. If I get enough money, I will buy a new car.
(Re-write beginning: Had.....)
-
37. We should not overwork ourselves during holidays.
(Re-write beginning: One.....)
-
38. Children like to eat sweets. *(Re-write using:.....accustomed to.....)*
-
39. As soon as the teacher went out, the pupils started fighting.
(Re-write beginning: Hardly.....)
-
40. Teachers are great people but they are not respected.
(Re-write beginning: Whereas.....)
-
41. Human beings need food. Animals also need food.
(Re-write using:.....and so.....)
-
42. James needn't have delayed at home.
(Re-write using:.....necessary.....)
-
43. The children are sweeping the classroom now.
(Re-write beginning: The classroom.....)
-
44. Anite didn't pay the school fees, did she?
(Re-write ending:.....didn't she?)
-
45. He prefers keeping goats to keeping sheep.
(Re-write using:.....like.....)
-
46. "I am going to town now", said the headteacher.
(Re-write beginning: The headteacher said.....)
-
47. He is reading a very interesting story book.
(Re-write beginning: What.....!)
-
48. Our headteacher went to Kampala last week.
(Form a correct question to this response.)
-
49. Duckling is to duck as..... is to owl. *(Complete it correctly.)*
-
50. Fiona worked very hard but she did not pass well.
(Re-write beginning: Although.....)
-

SECTION B: (50 Marks)

51. **Read the passage and in full sentences, answer the questions that follow.**

Atama Mike of Mute village fell in love with Aisha Ndera of Kubbo village. They were in courtship for four years before they moved to the alter for their holy matrimony. Atama called his close friends and relatives to discuss their wedding. Aguma, a close friend to Atama, suggested that wedding meetings be organised so as to solicit funds to meet the wedding costs.

Having accepted the suggestion, Atama wrote letters to his friends inviting them for such meetings. In the meetings, it was decided that the wedding takes place on Saturday 25th April 2023. Rev. Festo Kalu volunteered to be the bestman and Ms. Robinah accepted to be the brides-maid. Atama's elder son, Ivan was the pageboy and Sandra, of five years old, was the flower girl. The maids were Sahara, Eve and Barbara.

The bride pledged to buy herself the wedding gown and the groom bought himself the wedding suit. The bridal cars were pledged by Mr. Kantutu and Mr. Kizito. The wedding ceremony, which took place at St. Phillip and Andrew Cathedral Mukono, was presided over by Bishop Paul Luzinda. The wedding took place at 2:00pm and thereafter, the guests moved to Mukono University for reception. After the reception, a few selected guests were treated to an after party at True Vine Gardens.

Questions:

- (a) What is the passage about?

(b) For how long were the bride and bridegroom in courtship?

(c) Why did Atama Mike invite his friends?

(d) When did the wedding take place?

(e) Where did the wedding take place?

(f) Who volunteered to be the bestman?

(g) What do you think happened at the reception?

(h) What did Bishop Paul Luzinda do during the wedding?

(i) Where does the groom live according to the passage?

(j) Whose son was the pageboy?

52. ***Read the poem carefully and then answer the questions in full sentences.***

THE BELOVED ENVIRONMENT

Cry not my environment!
I will protect you from encroachers
Who destroy forests and wetlands.
By farming and burning bricks and charcoal.

Cry not my environment!
I will fight polluters of water and air,
Who discharge all types of waste,
sewage, gases and dust into water.

Cry not my environment!
I will sensitise my people,
To use terraces to reduce soil erosion
Encourage agro forestry for provision of trees and food.

Cry not the wild game!
I will protect you from poachers,
Who deny you, your habitat by setting fire on forests,
Killing you for hides, skins, meat and ivory.

AZIZ FARUKU

Questions:

(a) What is the poem about?

(b) What do encroachers do to the environment?

(c) Why do poachers kill animals?

(d) How many stanzas does the poem have?

(e) According to the poem, why should people use terraces?

(f) Encroach is to encroachers as pollute is to.....

(g) Apart from sewage, what else do polluters discharge into water?

(h) Why is agro-forestry being encouraged?

(i) Who wrote the poem?

(j) Give another word for the underlined word.
habitat: _____

53. Study the notice and answer the questions that follow in full sentences.

RADIO PACIS F.M.

The Manager, Radio Pacis regrets to inform its esteemed listeners that there will be interruptions in its channels on Sunday between 7:00am and 12:00 noon.

This is because the station will be undergoing mechanical set up to give you better services.

Therefore, don't disturb your knobs incase of signal **failure**.

Sorry for any **inconveniences** caused.

**Station Manager,
Okuruti Ogwali.**

Questions:

- (a) Who wrote the notice?
- (b) What is the notice about?
- (c) For which radio station is this notice?
- (d) On which day will the FM station undergo mechanical set up?
- (e) How long will the signals be clear?
- (f) Why will signals not be clear?
- (g) At what time will the interruptions begin?
- (h) Why will the station go under mechanical set up?
- (i) Give the opposite of the following words.
 - (i) Inconvenience _____
 - (ii) Failure _____

54. The following sentences are in wrong order. Re-arrange them to make a correct story.

1. He came back with Catherine as his wife.
2. Serena village to meet his parents.
3. He called his friends Lapogo and discussed his plan with him.
4. Lapogo then advised Madidi to go to his parents and inform them of his plan.
5. Lapogo was very happy to hear that from his friend.
6. The following week, Madidi and his friends.
7. Having got the advice, Madidi went on to.
8. Set off from Serena village for introduction.
9. His parents were very happy and gave him a bull to take as dowry.
10. Madidi wanted to marry Catherine.

CORRECT ORDER.

55. Your school organised an educational tour to Kabalega National Park in June 2023. Write a short composition about it. Mention how you were received in the Park. Also mention the transport used, the purpose of the tour, what you enjoyed most and what disappointed you.



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PRIMARY SEVEN INTEGRATED SCIENCE

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SECTION A: (40 Marks)

Questions 1 to 40 carry one mark each.

1. Name the body organ that pumps blood in the body.

2. State the difference between air and wind.

3. Give **one** way of controlling diseases without using medicines.

4. Write WASH in full.

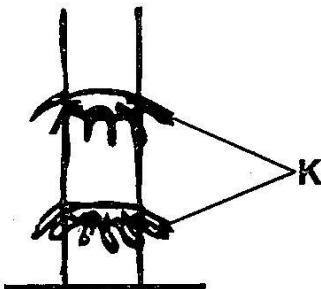
5. Which method is used to separate a mixture of beans and stones?

6. Why is the filament of an electric bulb coiled?

7. Name the garden tool used for harvesting rice.

8. Which type of immunity is got through breast feeding?

Study the diagram below and use it to answer questions 9 and 10.



9. Name the structures marked with letter K.

10. State the function of structures K to a maize plant.

11. Identify the vaccine administered to females of 15-49 years of age.

12. Mention any **one** example of an opaque object.

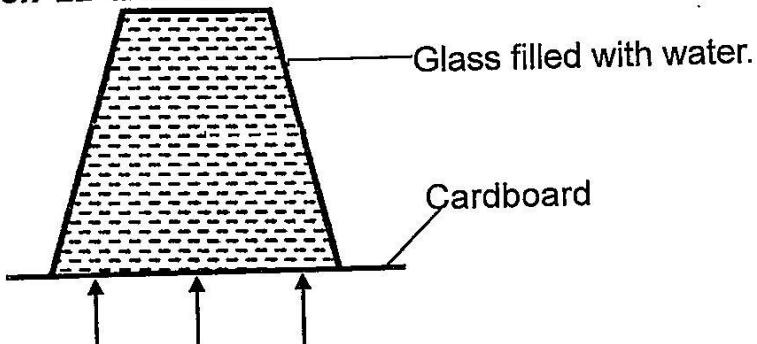
13. Give a reason why an earthworm comes out of the soil after it has rained.

14. Why is a P.7 candidate advised to abstain from sex?

15. How do we call a castrated male chicken?

16. What are weeds?
17. Name any **one** physical process involved in the rain cycle.
18. State any **one** danger of a dog at home.
19. How is humus formed?
20. Suggest **one** reason why we give first aid to casualties.
21. In which way do machines simplify work?

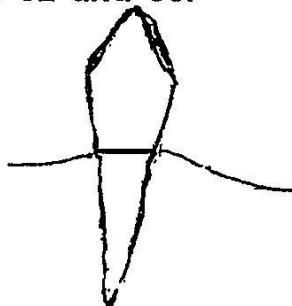
The diagram below shows a property of matter. Use it to answer question 22 and 23.



22. Identify the property of matter shown above.
23. Apart from the above property, state **one** other property of matter.
24. Where does growth occur in plants?
25. Why are rabbit hutches raised above the ground?
26. Name any **one** vulnerable group of people.
27. How does a chameleon protect itself from enemies?
28. Why do farmers in hilly areas practice terracing?
29. Give **one** advantage of using solar electricity.
30. What general name is given to the three small bones found in the middle ear?

31. Identify any one example of an animal fibre.

Below is the structure of a human tooth. Use it to answer questions 32 and 33.



32. Identify the type of tooth drawn above.

33. How is the above tooth adapted to its function of tearing food?

34. What is an alloy?

35. Mention the mineral responsible for the growth of strong bones and teeth.

36. State any one feature found on a VIP latrine.

37. How can COVID-19 be prevented in our communities?

38. Why are handles of an iron box made of wood?

39. Name the insect that pollinates flowers at night.

40. State the reason why poultry farmers keep broilers.

SECTION B (60 Marks)

Questions 41 - 55, carry four marks each.

41. (a) Give the meaning of the term "dehydration".

- (b) Mention any two signs and symptoms of dehydration.

(i)

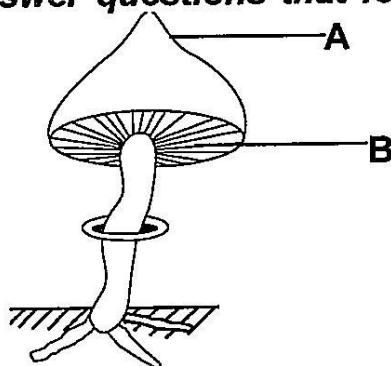
(ii)

- (c) What piece of advice could you give to a mother whose child is dehydrated?

42. (a) Name the type of soil used for making statues.
-
- (b) State any **one** property of sand soil.
-
- (c) Give any **two** reasons why loam soil is the best for crop growing.
- (i) _____
- (ii) _____
43. (a) Give any **one** example of the following;
- (i) First class lever _____
- (ii) Second class lever _____
- (b) A man weighs 60kgf. He sits 3 metres from the fulcrum of the see-saw. How far from the fulcrum will the boy whose weight is 30kgf sit in order to balance the man? **(2marks)**



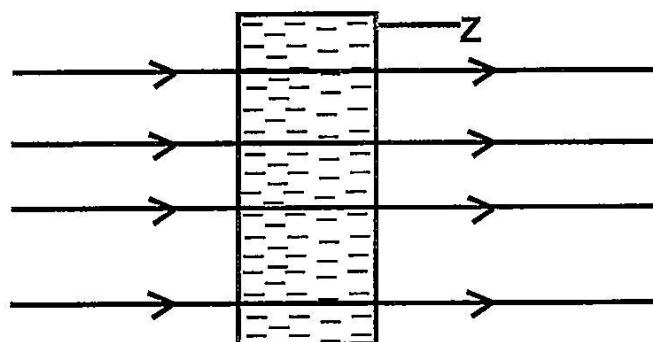
44. ***Below is the diagram of a mushroom. Study and use it to answer questions that follow.***



- (a) To which kingdom does the mushroom belong?
-
- (b) Name the part of the mushroom marked A.
-
- (c) State the function of part marked B.
-
- (d) Why is a mushroom unable to make food?
-
45. (a) What is meant by the term environment?
-
- (b) Name the invisible component of the environment.
-

- (c) Give two ways in which animals depend on plants in the environment.
(i) _____
(ii) _____
46. (a) Give any two reasons why people smoke tobacco.
(i) _____
(ii) _____
- (b) Name the dangerous gas found in tobacco smoke.
- (c) Why is it very difficult for a person to stop the habit of smoking? _____

47. The diagram below shows the effect of different materials on light . Use it to answer the questions that follow.



- (a) Name the object marked Z in the diagram above.
- (b) Mention one example of the object you have named in (a) above.
- (c) State two importance of light in our daily life.
(i) _____
(ii) _____
48. (a) Define the term magnetism.

- (b) How are magnets useful to the following;
(i) Pilots _____
(ii) Doctors _____
- (c) Why is a piece of wood said to be a non-magnetic material?
49. (a) Why are the following types of cattle kept by farmers?
(i) dairy cattle _____
(ii) beef cattle _____
- (b) Give two reasons why most farmers prefer rearing local breeds of cattle to exotic breeds.
(i) _____
(ii) _____

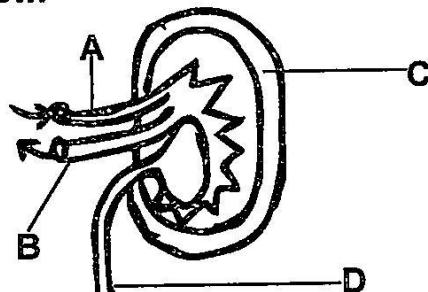
50.

Below is the classification chart of animals. Use it to answer questions that follow.

-
- ```
graph TD; A[A] --> Warm[Warm blooded]; A --> Cold[Cold blooded]; Warm --> B[B]; Warm --> C[C]; Cold --> D[D]; D --> Reptiles[Reptiles]; D --> Fish[Fish]
```
- (a) Name the group of animals in A.  
\_\_\_\_\_  
(b) Which characteristic is common to all the animals on the chart?  
\_\_\_\_\_  
(c) State the similarity between animals in B and C.  
\_\_\_\_\_  
(d) Mention one example of animals which belong to group D.  
\_\_\_\_\_

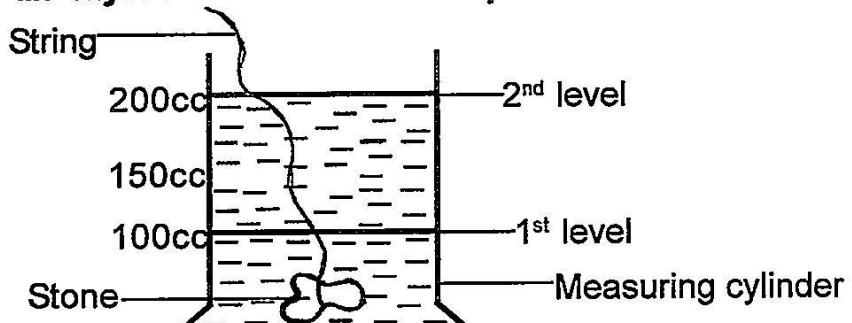
51.

***Below is the structure of a kidney. Use it to answer questions that follow.***



- (a) Name the blood vessel marked A.  
\_\_\_\_\_  
(b) In which part does filtration of blood take place?  
\_\_\_\_\_  
(c) Where does part D lead urine to?  
\_\_\_\_\_  
(d) Why do people tend to urinate a lot on cold days?  
\_\_\_\_\_  
52. (a) What is a woodlot?  
\_\_\_\_\_  
(b) Mention any two products got from a woodlot.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(c) Suggest one importance of setting up a tree growing project at school.  
\_\_\_\_\_

53. *The diagram below shows a method of finding the volume of an object. Use it to answer questions that follow.*



- (a) Identify the method of finding the volume of the stone above.
- (b) Workout the volume of the stone. **(2marks)**
- (c) Apart from a stone, give one other example of an irregular object.
54. (a) Give the meaning of the term personal hygiene.
- (b) List down two activities done by school children to promote good sanitation.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (c) Why should a P.7 candidate wash his / her hands after visiting a latrine?

55. Match each component of blood in A to its function in B.

List A

List B

- |                        |                                         |
|------------------------|-----------------------------------------|
| (i) Red blood cells    | To fight disease causing germs.         |
| (ii) White blood cells | To transport digested food.             |
| (iii) Blood plasma     | To stop bleeding by clotting the blood. |
| (iv) Blood platelets   | To transport oxygen in the body.        |

- |                        |       |
|------------------------|-------|
| (i) Red blood cells    | _____ |
| (ii) White blood cells | _____ |
| (iii) Blood plasma     | _____ |
| (iv) Blood platelets   | _____ |

**\*\*END\*\*\***



THE REPUBLIC OF UGANDA

# KAZO DISTRICT PRIMARY SCHOOLS HEADTEACHERS' ASSOCIATION

**PRIMARY LEAVING MOCK EXAMINATION, 2023**

## **PRIMARY SEVEN MATHEMATICS**

*Time Allowed: 2 hours 15 minutes*

| Random Number | Personal Number |
|---------------|-----------------|
|               |                 |

Candidate's name:.....

Candidate's Signature.....

School:.....

District :.....

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**

Read the following instructions carefully:

1. Do not write your school or district name anywhere on this paper.
2. Section A, has 20 short-answer questions (40 marks) and Section B has 12 questions (60 marks)
3. All the working for both sections A and B must be shown in the spaces provided.
4. All working must be done using a blue or black ball-point pen or fountain pen. Only diagrams should be done in pencil.
5. No calculators are allowed in the examination room.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated "For examiners' use only"

| FOR EXAMINER'S<br>USE ONLY |       |           |
|----------------------------|-------|-----------|
| Qn. No.                    | Marks | Exrs' No. |
| 1 - 5                      |       |           |
| 6 - 10                     |       |           |
| 11 - 15                    |       |           |
| 16 - 20                    |       |           |
| 21 - 22                    |       |           |
| 23 - 24                    |       |           |
| 25 - 26                    |       |           |
| 27 - 28                    |       |           |
| 29 - 30                    |       |           |
| 31 - 32                    |       |           |
| <b>TOTAL</b>               |       |           |

Turn Over

**SECTION A: (40 Marks)**

**Answer all questions in section A. Each question carries 2 marks.**

1. Workout:  $346 + 25$

5. What is the 12<sup>th</sup> triangular number?

2. Write 2,042,107 in words.

6. Express 0.222..... as a common fraction.

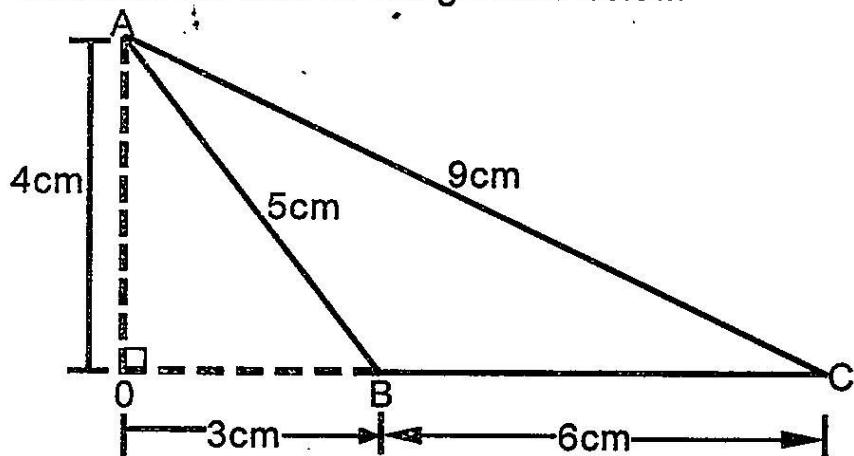
3. Given that set P = {t, k, r}.  
List down all the proper subsets of set P.

7. Subtract:  $-3 - -7$ .

4. Round off 279.682 to the nearest whole number.

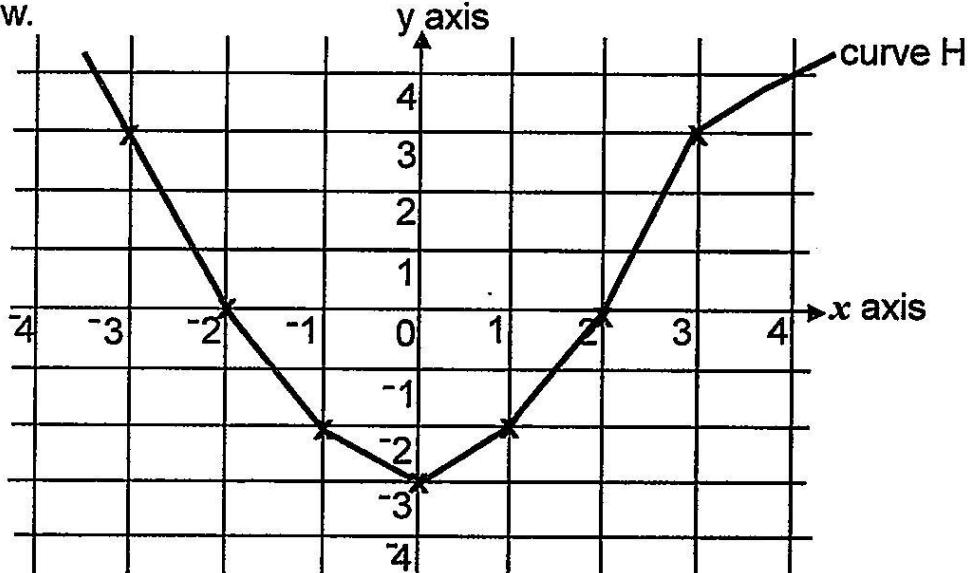
8. Divide 1515 by 3.

9. Calculate the area of triangle ABC below.



10. Find the number that has been expanded to give;  
 $(4 \times 10^3) + (8 \times 10^1) + (3 \times 10^0) + (6 \times 10^{-2})$

11. Write down the co-ordinate where curve H crosses the y axis on the grid below.

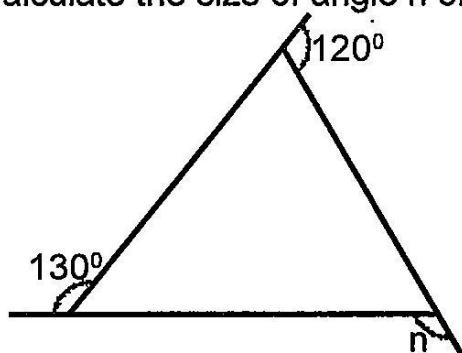


The co-ordinate is \_\_\_\_\_.

12. Using a ruler and a pair of compasses only, construct an angle of  $30^\circ$  in the space below.

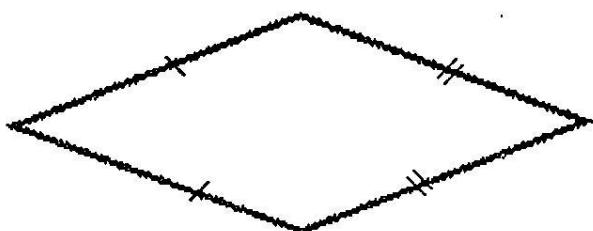
13. Solve the inequality and give the solution set for  $x$ :  $6 - 3x \geq 3$ .

14. Calculate the size of angle  $n$  on the figure below.



15. A bus covers a distance of 180km in 2 hours. Calculate the speed of the bus in metres per second.

16. John bought 20 mangoes at sh.500 for every five mangoes, how much did he pay the seller?
17. Convert  $32_{\text{five}}$  to binary.
18. Given the digits 7, 0, 9, 3, write down the smallest 4 digit number that can be formed with all the digits in standard form.
19. Increase sh.1200 in the ratio of 4:3.
20. Show and write down the number of lines of folding symmetry the figure below has.

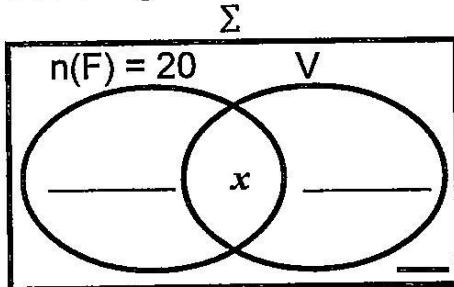


**SECTION B: (60 Marks)**

**Answer all questions in this section. Marks for each question are indicated in the bracket.**

21. In a class, 20 pupils play football (F),  $(x + 4)$  pupils play volley ball (V) only,  $x$  pupils play both football and volley ball while 6 pupils play neither of the two games.

- (a) Use the given information to complete the venn diagram. (3marks)



- (b) If 14 pupils play volley ball but not football. Find the value of  $x$ . (2marks)

22. Kiiza spends his salary as follows:

$\frac{1}{3}$  on food,  $\frac{1}{4}$  on rent,  $\frac{1}{5}$  of the remainder on transport and saves the rest.

- (a) What fraction of his salary does he save? (3marks)

- (b) If he saves Sh. 240,000, how much does he earn? (2marks)

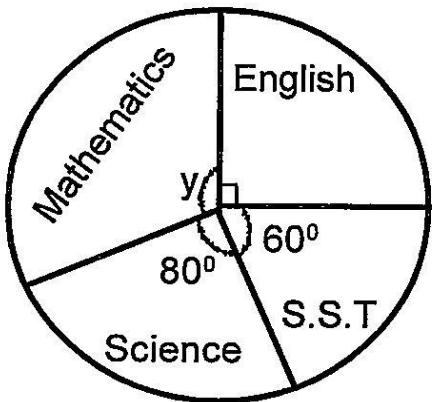
23. (a) Workout:  $\frac{0.12 \times 0.4}{0.72}$

(2marks)

(b) Express  $12\frac{1}{2}\%$  as a fraction in its lowest terms.

(2marks)

24. The pie-chart below shows the number of text books in the school library. Use it to answer the questions that follow.



(a) Find the value of y.

(3marks)

- (b) If there are 500 more Mathematics books than Science books.  
How many books are in the school library altogether? (3marks)

25. The table below shows the exchange rate of a forex bureau.  
Study it carefully and answer the questions that follow.

| CURRENCY                | BUYING     | SELLING    |
|-------------------------|------------|------------|
| US dollar (\$) 1        | Ugsh. 3750 | Ugsh. 4000 |
| Kenyan shillings (Ksh)1 | Ugsh. 25   | Ugsh. 30   |

- (a) How much Ugandan shillings can one get from a Forex bureau, if he has 200 US dollars? (2marks)
- (b) If John has 800 Kenyan shillings, how many US dollars can he get from a forex bureau? (2marks)

26. In a class of 20 pupils, all of them did Mathematics pre-mock examination and scored the following marks as shown in the table below.

|               |    |    |    |    |    |    |    |
|---------------|----|----|----|----|----|----|----|
| Marks in %    | 60 | 40 | 95 | 75 | 93 | 67 | 97 |
| No. of pupils | 2  | 8  | y  | 3  | 1  | 3  | 1  |

- (a) Find the value of y.

(2marks)

- (b) If Distinction one ( $D_1$ ) was awarded to every child who scored 92% and above. Find the mean mark of pupils who got  $D_1$  in the examination.

(3marks)



27. The sum of three consecutive odd numbers is 69. If the largest number is  $m + 2$ .

- (a) Find the value of m.

(3marks)

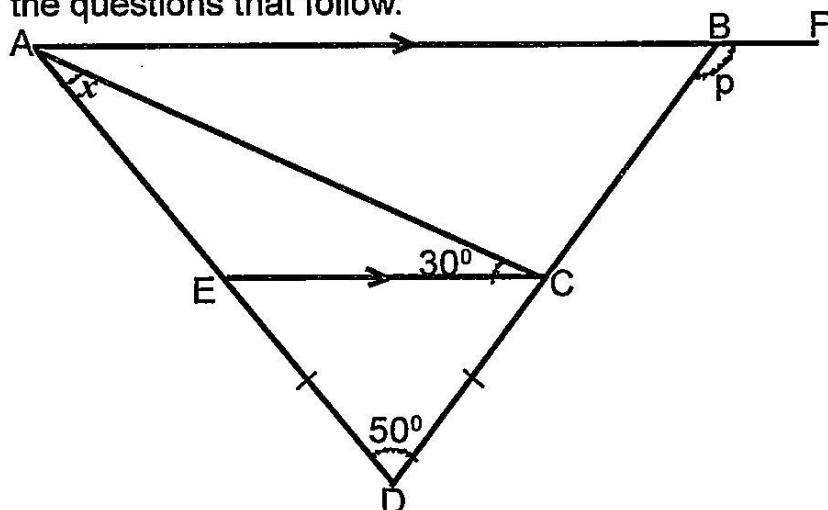
- (a) What are numbers?

(2marks)

28. The diagonals of a Rhombus are 18cm and 24cm respectively.  
(a) Find the area of the Rhombus. (2marks)

- (b) Calculate the perimeter of the Rhombus. (3marks)

29. In the diagram below, line AF is parallel to line EC, line ED = DC, angle EDC =  $50^\circ$  and angle ACE =  $30^\circ$ . Study the figure and use it to answer the questions that follow.



- (a) Find the value of  $x$ . (3marks)

(b) Calculate the size of angle p.

(2marks)

26. Janet went to the market with a fifty thousand shillings note and bought the following items;

$2\frac{1}{2}$  kg of sugar at sh.5000 per kg

$2\frac{1}{2}$  kg of meat at sh.12000 each kg.

500g of salt at sh.2000 per kg.

$\frac{1}{2}$  litre of cooking oil at sh.3000.

If she was given a discount of 10%, how much money did she pay for all the items?

(6marks)

31. (a) Workout:  $4 + 6 = \underline{\hspace{2cm}}$  (mod 7).

(2marks)

(b) Halima earned an interest of Sh.400 after depositing some money in Stanbic bank for 2 years at a rate of 10% per annum. Calculate the amount of money she deposited on the bank at the beginning.

(3marks)

32. Kato's home is 80km east of the town hospital and the school is 60km from Kato's home on a bearing of  $210^{\circ}$ .

(a) Using a scale of 1cm to represent 10km, draw an accurate diagram to show the positions of the three places. (3marks)

(b) Find the bearing of town hospital from Kato's home. (2marks)

\*\*END\*\*\*