

# **SIR APOLLO KAGGWA / CITY PARENTS' SCHOOLS**

P.7 HUB SET 4 TERM II 2023

# MATHEMATICS

**NAME:** \_\_\_\_\_

**STREAM:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

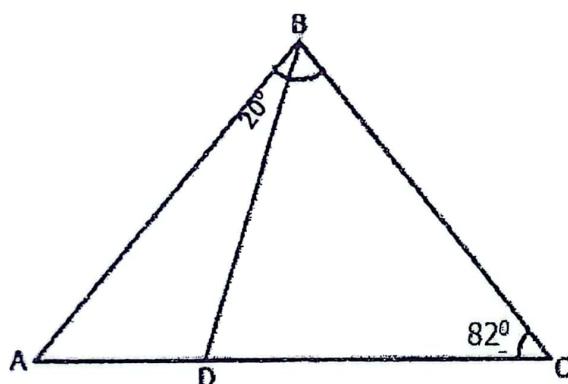
**SCHOOL:** \_\_\_\_\_

### **SECTION A (40 Marks)**

1. Work out:  $63 \times 3$
  2. Write **540,019** in words.
  3. Given that  $P = \{ \text{square numbers less than } 20 \}$ . Find  $n(P)$
  4. Work out:  $\frac{2}{5} \times 3\frac{1}{2}$
  5. Find the next number in the sequence below;  
48, 47, 44, 38, 28, \_\_\_\_\_

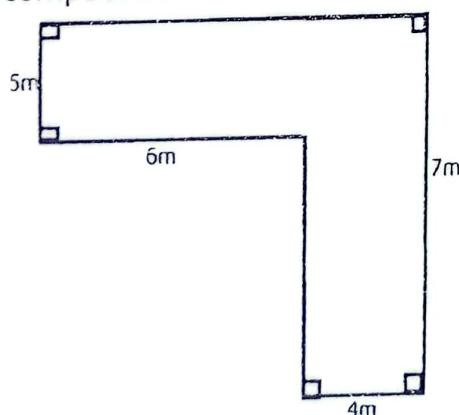
6. Simplify:  $7xy - 3mn - xy - 5mn$

7. In the triangle ABC, angle ABC =  $50^{\circ}$  angle, angle ACB =  $82^{\circ}$ . Find the size of angle ADB.



8. A trader sold a pair of shoes at sh. 25,200 making a profit of sh. 1200. What was his percentage profit?

9. The figure below represents Musoke's compound. Find the distance around the compound.



10. Work out:  $344_{\text{five}}$

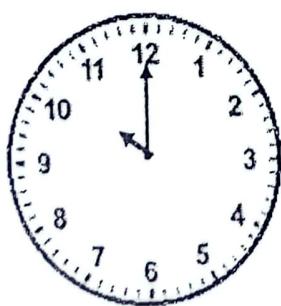
$$\begin{array}{r} + 32_{\text{five}} \\ \hline \end{array}$$

11. Solve:  $\frac{1}{5}p + p = 6$

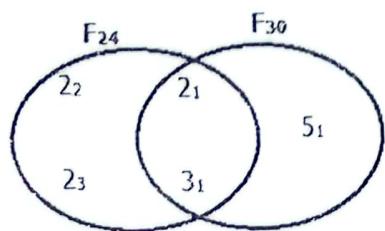
12. The mean of  $6$ ,  $2m - 2$ ,  $9$ ,  $m+3$  and  $3m - 6$  is  $7$ . Find the value of  $m$ .

13.. If today is Tuesday, what day of the week was it **23** days ago?

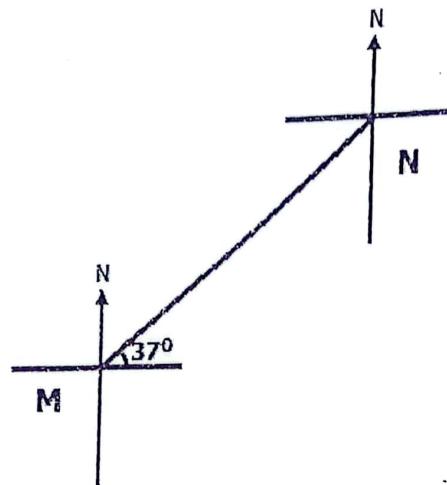
14. By the time Munene went to bed after his supper, his watch was reading as shown in the diagram below. Express the time he went to bed in 24 hour clock system.



15. Find the GCF of 24 and 30 using the Venn diagram below.



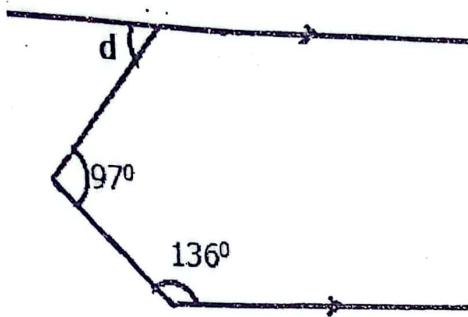
16. Find the direction of point M from point N in the diagram below.



17. Nulu deposited a bundle of five thousand shilling notes numbered consecutively from YP 823429 to YP 823538. How much money did she deposit?
18. A basket contains **30** fruits. **15** are mangoes, **9** are oranges and the rest are apples. A fruit is picked at random from the basket. Find the probability that the fruit packed is an apple.
19. Solve:  $\frac{P^4 \times P^3}{P^5}$
20. A car travels **120km** in **40** minutes, what is its speed in kilometres per hour.

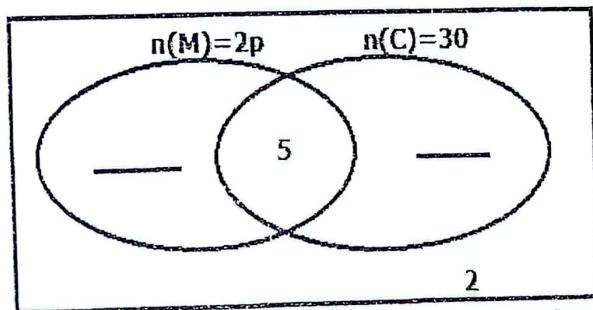
## SECTION B

21. In the figure below, find the value of the angle marked **d**. (3marks)



- b) The interior angle sum of a polygon is  $1260^{\circ}$ . Find the size of each centre angle. (3marks)

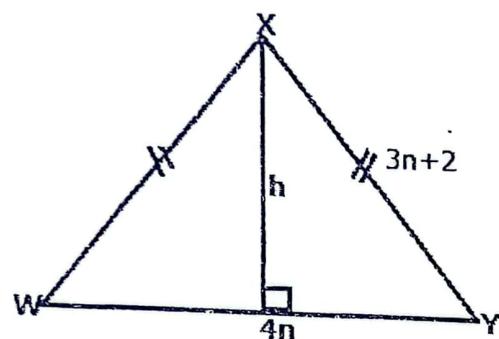
22. At a birthday attended by 47 guests, 30 guests were served with **Chicken (C)**, 2p were served with meat and 5 guests were served with both meat and chicken while 2 guests did not eat either of the two dishes.
- a) Use the given information to complete the Venn diagram below. (2marks)



- b) How many guests ate only one type of dish? (3marks)

23. Ruth spent  $\frac{1}{3}$  of her salary on food,  $\frac{2}{5}$  on school fees,  $\frac{3}{4}$  of the remainder on rent and saved the rest. If she saved sh. 15,000. How much did she pay for rent? (5marks)

24. In the figure below,  $WX = XY = 20\text{cm}$ .



- a) Find the value of  $n$ .

(2marks)

- b) Find the area of triangle  $WXY$ .

(3marks)

25. Using a ruler, a pencil and a pair of compasses only;
- Construct a parallelogram **ABCD** such that line **AB = 7.5cm**,  
**BC = 4.5cm** and angle **ABC = 135°**.
  - Drop a perpendicular from **C** to meet **AB** at **k**.

(5marks)

- b) Measure **CK.....cm.** (1mark)

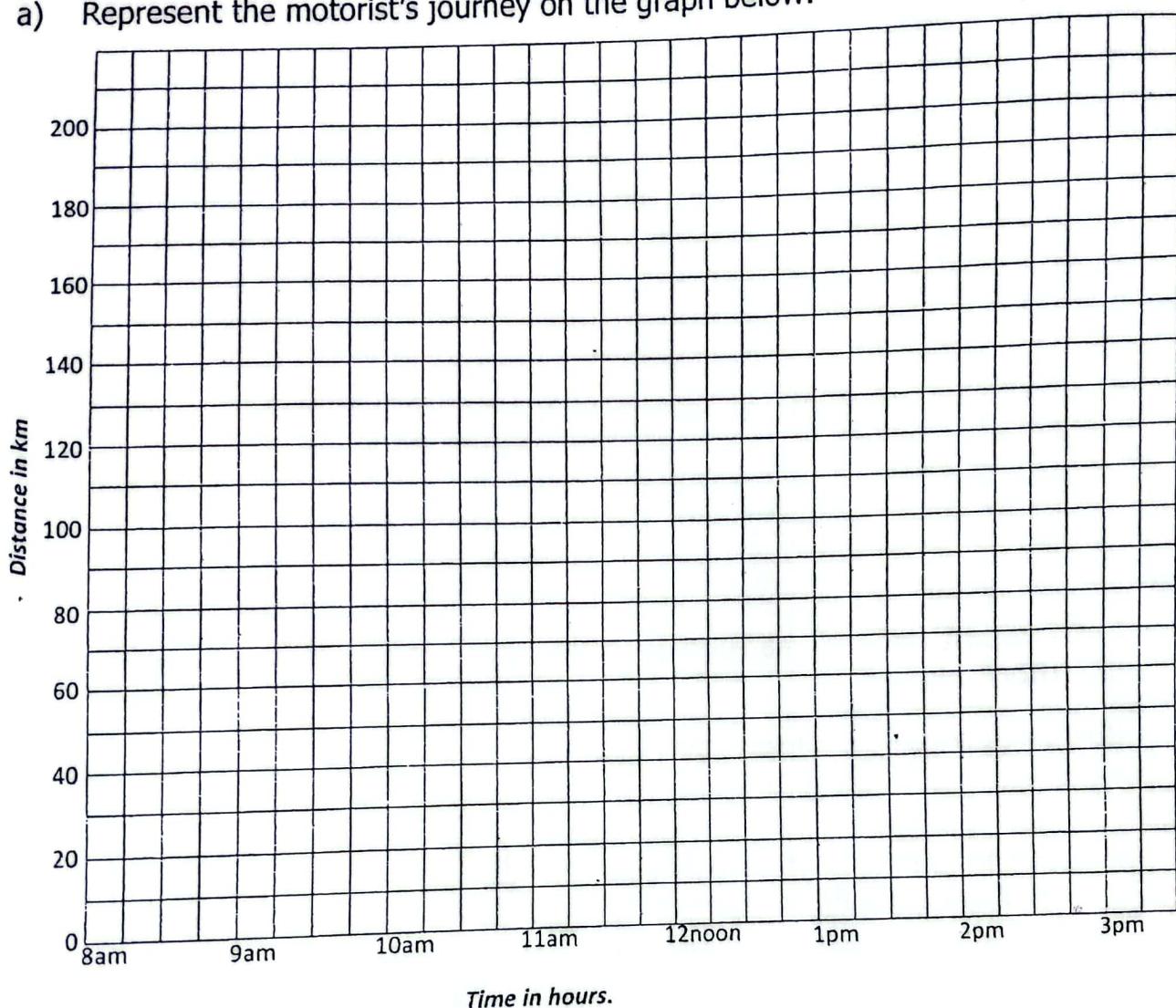
26. A primary school has a population of **1015** pupils. Of these,  $\frac{2}{5}$  are girls and  $\frac{1}{3}$  of the boys are in the upper primary classes. (2marks)
- a) Find the number of boys in the upper primary classes.
- b) Express the number of boys in the upper primary classes as a percentage of the number of girls in the school. (2marks)
27. A motorist left town **M** at **10:50am** riding at a speed of **72km/hr** for **1hour** and **30 minutes** to town **T** where he had a break for **45 minutes** before continuing to town **Q** at a speed of **48km/hr** for **15 minutes**. Find his average speed for the whole journey. (5marks)

28. The sum of **3** consecutive even numbers is 66. If the biggest number is **K**.
- a) Find the value of **k** (3marks)
- b) Find their range. (2marks)
29. In the recent elections, Kamoga got **30%** more votes than Wamboka who got **2800** votes.
- a) How many votes did Kamoga get? (3marks)
- b) How many less votes did Wamboka get than Kamoga? (2marks)

30. A motorist left town P at 8:30am and covered 60km in  $1\frac{1}{2}$  hours to town Q. He rested for  $\frac{1}{2}$  hour before covering 100km at a speed of 80km/hr to town R. He had a break of  $\frac{1}{4}$  hour and covered the remaining distance to towns at a speed of 80km/hr for 30 minutes.

- a) Represent the motorist's journey on the graph below.

(3marks)

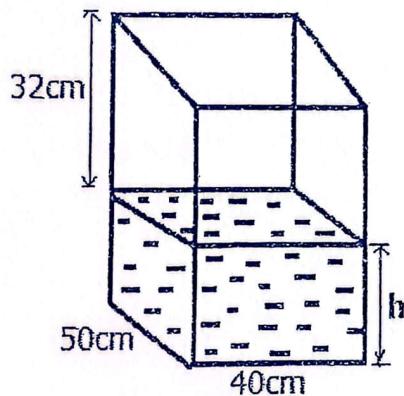


- b) Calculate the motorist's average speed for the whole journey. (2marks)

31a) Solve for m:  $8 - 3(m+1) = 12$ . (2marks)

- b) Kigongo is 4 times as old as Kato. Kato is  $(n - 3)$  years. If the difference between their age is 18 years, how old is Kigongo? (3marks)

32. The rectangular tank below is  $\frac{3}{5}$  full of water.



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

- b) Calculate the capacity of the water in the tank. (2marks)

THE END

# SIR APOLLO KAGGWA / CITY PARENTS' SCHOOLS

P.7 HUB SET 4 TERM II 2023

## SOCIAL STUDIES & RELIGIOUS EDUCATION

NAME: \_\_\_\_\_

STREAM: \_\_\_\_\_ DATE: \_\_\_\_\_

SCHOOL: \_\_\_\_\_

### SECTION A (40 MARKS)

1. Mention any one natural source of electricity used in Uganda.

\_\_\_\_\_

2. What does the red stripe on the Uganda National Flag represent?

\_\_\_\_\_

3. What does the symbol below represent on a map?



\_\_\_\_\_

4. Mention the use of a hygrometer at a weather station.

\_\_\_\_\_

5. State any one reason why it is important to care for wild plants.

\_\_\_\_\_

6. Why is a bungalow called a permanent house?

\_\_\_\_\_

7. State any one way in which members of a community can live in peace with one another.

\_\_\_\_\_

8. What title is given to the political head of a parish (LC II) in Uganda?

\_\_\_\_\_

9. What is the use of a map to a tourist?

\_\_\_\_\_

10. How is the United Nations Children's Fund (UNICEF) useful to children in Uganda?

11. What are small scale industries?

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12. Give any one reason why all adult persons should participate in elections.

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13. Give any one reason why the British colonialists constructed railways in Uganda.

---

---

14. What can government do to encourage teenage girls stay in schools and complete their studies?

---

---

15. Name the smallest continent in the world.

---

---

16. How is Uganda's neighbour to the East important to the economy of Uganda?

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17. Name any one river in Uganda which flows into Lake Victoria.

---

---

18. How did the Nandi tribe in Kenya make construction of the Uganda railway difficult?

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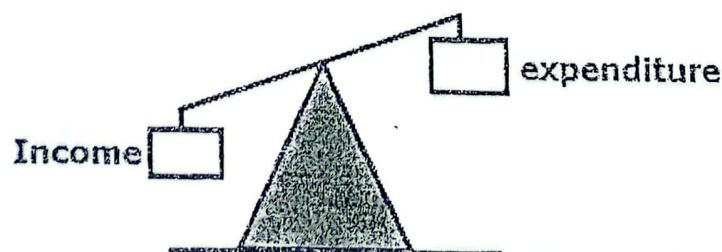
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19. Mention any one problem caused by corruption to the economy of Uganda.

---

---

20.



Give one reason why the budget shown above is a good one.

Which group of people is believed to have introduced coffee growing in Uganda?

---

22. Mention any one way in which floods affect crop growers in the Mt. Elgon sub – region.

---

23. Mention the organization which unites all the former territories of the British Empire.

---

24. State any one way in which terraces in Kabale help in controlling soil erosion.

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25. What was the Great Trek?

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26. Mention any one cultural practice which attracts tourists in Uganda.

---

27. Name the political party through which Julius Nyerere campaigned for Tanganyika's Independence.

---

28. State any one way in which the education brought by missionaries was different from the one they found in Uganda.

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29. Give one way in which rainy weather affects murram roads.

---

30. State any one cause of civil wars in a country.

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31. Why does the windward side of mountains receive very much rainfall?

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32. Apart from stories of long ago, how can we get information about the past?

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33. What is citizenship?

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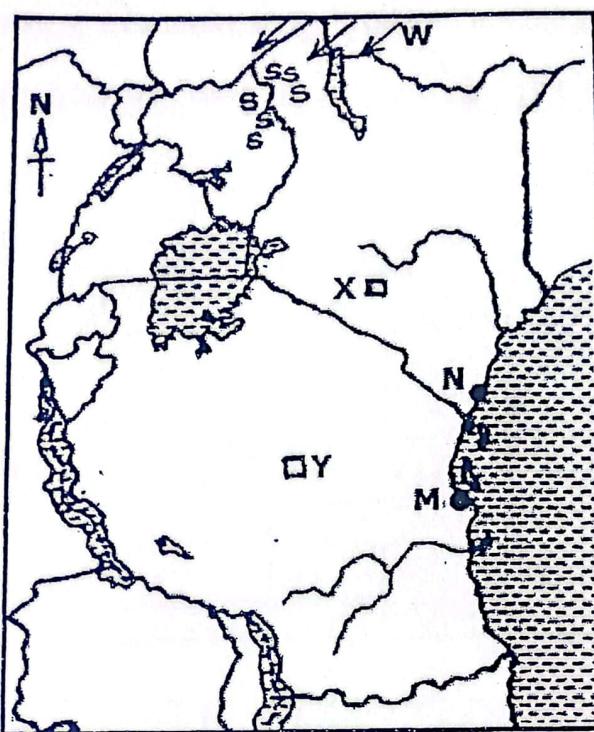
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34. Name the regional grouping to which Zambia is a member.
- 
35. State any one way in which a carpenter can benefit from a savings and credit scheme.
- 
- For each of the questions 36 to 40, answer Either the Christian Or the Islamic questions but not both. No marks will be awarded to a candidate who attempts both alternatives in a particular number.**
36. **Either:** What was the work of Mathew before he became a disciple of Jesus?
- 
- Or:** What was the work of Muhammad (PBUH) before he became a prophet?
- 
37. **Either:** Why should the believers in God not fear to die?
- 
- Or:** Why should the believers in Allah not fear to die?
- 
38. **Either:** Name the father of Jacob as told in the Bible.
- 
- Or:** Name the father of Prophet Yaqub.
- 
39. **Either:** Give any one way through which a Christian child can overcome temptation.
- 
- Or:** Give any one way through which a Muslim child can overcome temptation.
- 
40. **Either:** State any one benefit of giving to those in need.
- 
- Or:** State any one benefit of paying Zakkah.
-

## SECTION B (60 MARKS)

Questions 41 to 55 carry four marks each.

41. Study the map below and answer questions that follow.



a) Name the cities marked **X** and **Y**.

- i) **X** \_\_\_\_\_  
ii) **Y** \_\_\_\_\_

b) State the economic use of ports **M** and **N** to member states of the East African Community.

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c) In which way do winds **W** influence the climate of the region marked **ss**?

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42. a) Give the term used to mean exchange of goods between the Arabs of North Africa and the people of Sub-Saharan Africa.

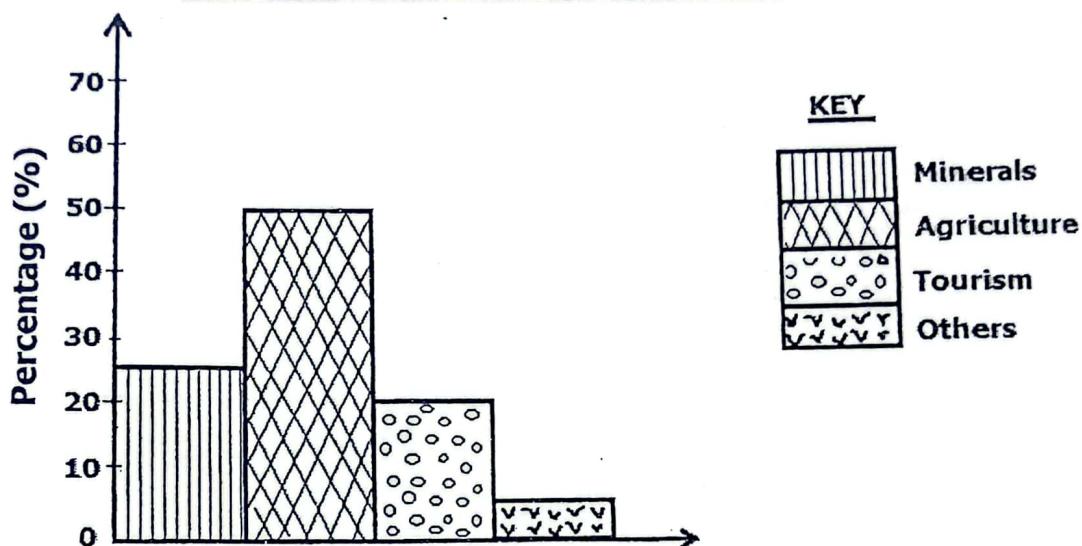
- 
- b) Mention the two main goods which the Arab traders obtained from West Africa.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_

c) State the main reason why the traders moved in caravans across the desert.

---

43. The graph below shows a country's earnings. Use it to answer questions that follow.

**EXPORT EARNINGS FOR COUNTRY Y**



a) Which is the major export earner for country Y?

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b) State the percentage contribution of minerals to export earnings of country Y.

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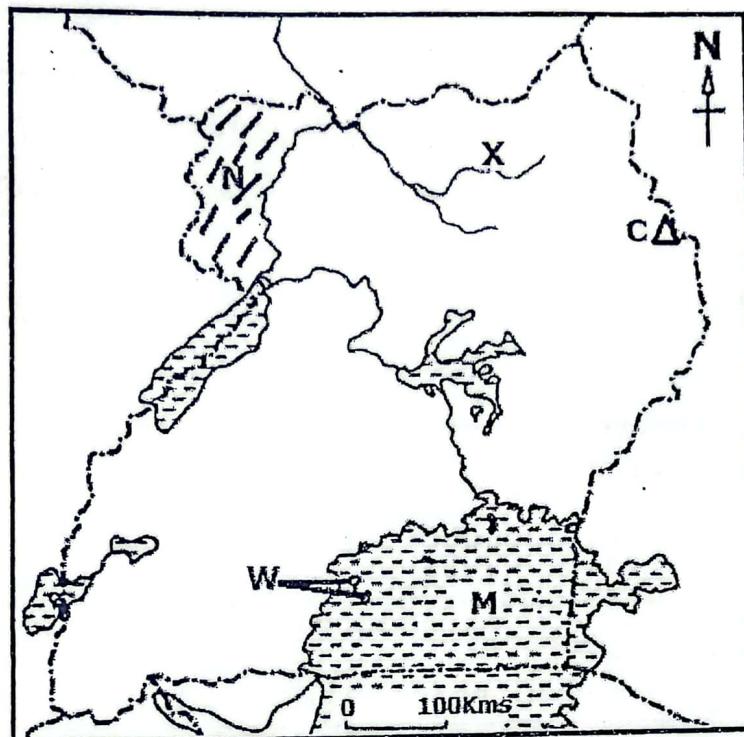
c) Give any one export that may be found in "others" as shown on the graph.

---

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d) If Country Y earned **240 million dollars** in total, how much was earned from Agricultural exports?

4. Study the sketch map of Uganda below and use it to answer questions that follow.



- a) Name the river marked X.
- 
- b) Mention the process which led to formation of mountain C.
- 
- c) Give the major product from the cash crop grown in area N.
- 
- d) Why does oil palm grow well in islands marked W?
- 
45. a) Mention any two separate homelands set up for black people during white rule in South Africa.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- b) Name the policy in South Africa which established the Bantustans.
- 
- c) State any one way in which the black people in South Africa suffered during white rule.
-

b) State any two ways in which people in a community benefit from the organizations named above.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

**Or:** a) Name any two voluntary organizations that offer free services to people.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

b) State any two ways in which the organisations you have named above help people.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

53. **Either:** a) Name the mountain from which Jesus ascended into heaven.

b) How many days did Jesus spend on earth after resurrection?

c) State any two ways in which the ascension of Jesus into heaven is important to Christians.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

**Or:** a) Name the place from which Muhammad (PBUH) ascended into heaven.

b) What name is given to Muhammad's journey to heaven?

c) State any two ways in which the ascension of Muhammad (PBUH) into heaven is important to Muslims.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

54. **Either:** a) Name the Prophet who received the Ten Commandments from God.

b) Mention the mountain where the Ten Commandments descended.

c) Give any two ways in which the Ten Commandments help Christians today.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

Or: a) Name the Prophet who received the Tauret from Allah.

b) Mention the mountain where the Tauret was revealed to the Prophet named above.

c) Give any two ways in which the pillars of Islam are important to Muslims.

- i) \_\_\_\_\_  
ii) \_\_\_\_\_

55. Either: a) What happened when Jesus was baptized in River Jordan?

\_\_\_\_\_

b) Why did Jesus accept to be baptized and yet He was the son of God?

\_\_\_\_\_

c) Give any one reason why water is used in baptism.

\_\_\_\_\_

d) What happens to a person when he or she is baptized?

\_\_\_\_\_

Or: a) What is the first prayer for the day in Islam?

\_\_\_\_\_

b) Why is this prayer important?

\_\_\_\_\_

c) Name the prayer performed immediately the sun sets.

\_\_\_\_\_

d) How does fasting help in the health of a Muslim?

\_\_\_\_\_

**THE END**

# SIR APOLLO KAGGWA / CITY PARENTS' SCHOOLS

P.7 HUB SET 4 TERM II 2023

## INTEGRATED SCIENCE

NAME: \_\_\_\_\_

STREAM: \_\_\_\_\_ Date: \_\_\_\_\_

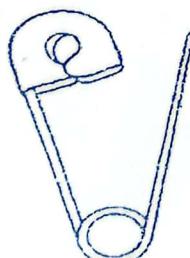
SCHOOL: \_\_\_\_\_

### SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name the poultry vice controlled through debeaking of birds.  
\_\_\_\_\_
2. Which element of Primary Health Care provides us with knowledge on how to maintain good health?  
\_\_\_\_\_
3. Give a reason why clay soil is always water logged during rainy season.  
\_\_\_\_\_
4. What advice would you give to a mother whose baby is suffering from scurvy?  
\_\_\_\_\_

The diagram below is of a tool found in a first aid box. Study and use it to answer questions 5 and 6.



5. Name the first aid tool drawn above.  
\_\_\_\_\_
6. Give the use of the above tool in giving first aid.  
\_\_\_\_\_
7. How does mulching control the growth of weeds?  
\_\_\_\_\_

8. State the digestive disorder caused by eating hurriedly.

---

9. Why are the handles of iron boxes made of wood?

---

10. Give a reason why the elderly should be fed frequently.

---

11. State one way iron sheets are protected from rusting.

---

12. Give the use of cones to a pine tree.

---

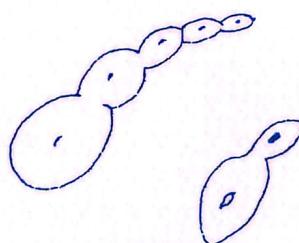
13. To which group of worms does a tapeworm belong?

---

14. Why do people wear raincoats or thick clothes during rainy weather?

---

The diagram below shows a method of reproduction in a fungus. Study and use it to answer questions 15 and 16.



15. Name the method of reproduction shown above.

---

16. Identify the fungus that reproduces as above.

---

17. Why do electric wires appear sagging on sunny days?

---

18. Give a reason why flush toilets are not commonly found in rural areas?

---

19. State the effect of plasmodia to the human health.

---

8. State the digestive disorder caused by eating hurriedly.

---

9. Why are the handles of iron boxes made of wood?

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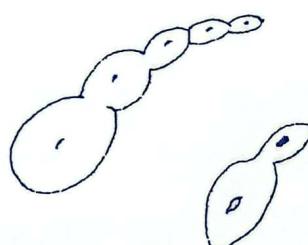
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---

18. Give a reason why flush toilets are not commonly found in rural areas?

---

19. State the effect of plasmodia to the human health.

---

20. Apart from charcoal, give any one example of a wood fuel commonly used at home.

---

21. What is the disadvantage of using fluorine and potassium permanganate in treating water for drinking?

---

22. State one functional difference between arteries and veins.

---

---

23. Apart from nectar, give any one characteristic of insect pollinated flowers.

---

24. How do lungs get rid of Carbon dioxide from the body?

---

25. Okello's cow was seen limping with swollen hooves and pus discharge. What disease is the cow suffering from?

---

26. Give one way of reducing bad smell in a conventional pit latrine.

---

27. Apart from brain damage, state any one effect of alcoholism to an individual.

---

28. Give any one way of controlling the spread of intestinal communicable diseases among people.

---

29. State the basic unit for measuring mass.

---

30. State the type of soil erosion which may cause landslides in hilly areas.

---

31. Give any one activity a cattle farmer can do to care for a lactating cow.

---

32. Apart from the moist skin, what other structure do adult frogs use for breathing?

---

33. Mention any one perennial crop besides coffee.

---

34. How does reusing plastic waste containers in the environment prevent the spread of malaria?

---

The diagram below shows a dry cell. Use it to answer questions 35 and 36.



35. What form of energy is produced in the above cell if wires are properly connected to its ends and a bulb?

---

36. State any one item at home that uses the above cell.

---

37. State any one cause of near drowning in a community.

---

38. In which one way is child – to – child an important programme?

---

39. Give any one example of which is a cereal crop.

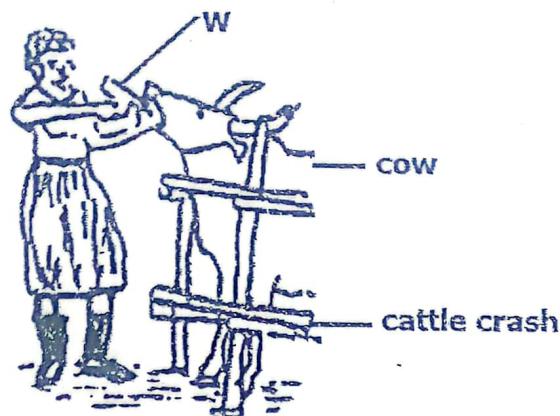
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40. State any one method of storing sound.

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## **SECTION B (60 MARKS)**

- 41. The diagram below shows one of the routine practices on a cattle farm. Study and use it to answer questions that follow.



a) Name the tool marked with letter W.

b) Give the use of the tool W in cattle management.

c) Apart from the above practice, give two other ways of caring for cattle.

i) \_\_\_\_\_

ii) \_\_\_\_\_

42. Where do the following plants store their food?

a) sweet potatoes \_\_\_\_\_

b) irish potatoes \_\_\_\_\_

c) sugarcanes \_\_\_\_\_

d) onions \_\_\_\_\_

43. A school health committee organized an assembly to check on the children's cleanliness.

a) What name is given to such an assembly?

b) Mention any two activities done in such assemblies.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Mention one benefit of conducting such assemblies.

44. a) What is brooding as used in poultry keeping?

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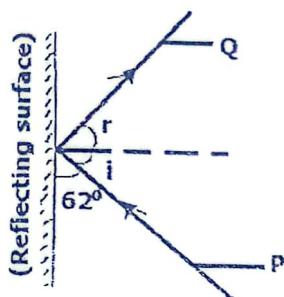
b) Give any two materials that must be provided in a brooder.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

c) State any one disadvantage of natural brooding.

---

45. The diagram below shows regular reflection of light. Study and use it to answer questions that follow.



a) Name ray Q.

---

b) Calculate the size of angle r. (2 marks)

c) State any one law of reflection.

---

46. Below is a list of animals. Study and use it to answer the questions that follow.

Rats, man, sunbirds, chimpanzee

a) Mention the two animals which belong to the primates.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

b) Why are rats grouped as mammals?

---

---

c) How are rats and sunbirds similar in the way they reproduce?

---

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47. a) What is a foreign body?

---

---

b) State any one foreign body that enters our eyes.

---

c) Give the recommended first aid for a foreign body in the eyes.

---

d) Why is it dangerous to use an object with sharp edges to remove a foreign body from the eye?

---

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48. a) What type of energy is possessed by the following objects?

i) a clock on a table \_\_\_\_\_

ii) a moving car \_\_\_\_\_

b) Give two forms of energy produced when a carpenter drives a nail into a wooden material using a hammer.

i) \_\_\_\_\_

ii) \_\_\_\_\_

49. The table below shows the present and missing conditions for seed germination in four test tubes A – D. The results were generated after four days as follows.

Conditions	TEST TUBES			
	A	B	C	D
Water	✗	✓	✓	✓
Oxygen	✓	✗	✓	✓
Warmth	✓	✓	✓	✗
Germinated	✗	✗	✓	✗

a) In which test tube did seeds germinate?

b) Give a reason to support your answer in (a) above.

c) Give the main reason why seeds failed to germinate in test tubes;

i) A \_\_\_\_\_

ii) D \_\_\_\_\_

50. a) Name the part of a human kidney that performs the following functions;

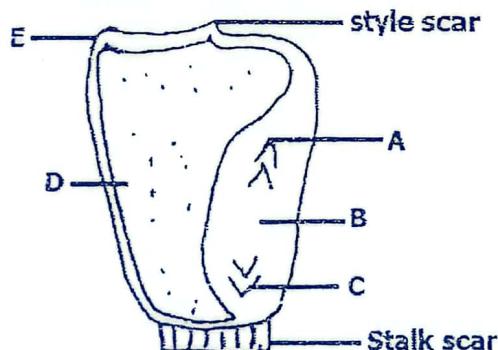
i) re-absorbs useful materials \_\_\_\_\_

ii) filters blood \_\_\_\_\_

b) Name the water borne disease that affects the human kidney.

c) State any one way in which kidneys can be cared for.

51. The diagram below shows a maize grain. study and use it to answer questions that follow.



a) Which letter represents the part that absorbs and supplies food to the embryo?

b) State the function of parts labelled A and C.

i) A \_\_\_\_\_

ii) C \_\_\_\_\_

c) What type of germination does the above grain undergo?

52. Mary's baby has the following signs and symptoms; **Old man's face, very underweight and ever hungry.**

a) What deficiency disease is the baby suffering from?

b) Name any two food sources recommended for this baby.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Why should vitamins be included in our daily meals?

53. Below is **List A** containing disease vectors and **B** diseases they spread but in wrong order. Match them correctly and write in the spaces provided below.

<b>LIST A</b>	<b>LIST B</b>
Tick	River blindness
Rat fleas	Sleeping sickness
Simulium fly	Typhus fever
Tsetsefly	Bubonic plague

a) Tick \_\_\_\_\_

b) Rat fleas \_\_\_\_\_

c) Simulium fly \_\_\_\_\_

d) Tsetse fly \_\_\_\_\_

54. a) State the role played by the following in a water cycle;

i) plants \_\_\_\_\_

ii) waterbody \_\_\_\_\_

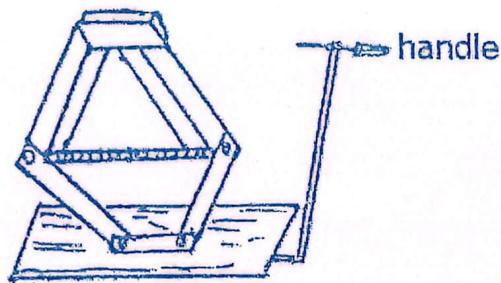
b) Give any one activity done at home which is similar to a water cycle.

\_\_\_\_\_

c) State one way in which rainfall supports plant growth.

\_\_\_\_\_

55. The diagram below shows a simple machine. Study and use it to answer questions that follow.



- a) To which type of simple machines does the machine above belong?

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- b) State the use of the simple machine above.

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- c) Give two other examples of machines that belong to the above type of simple machines.

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

THE END