

RUBANDA CATHOLIC HEADTEACHERS' ASSOCIATION PRIMARY SCHOOLS PRE-PRIMARY LEAVING MOCK EXAMINATION 2024

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes.

Random No.	Personal No.

Candidate's Name:

Candidate's Signature:

School Name:

Read the following instructions carefully:

1. This paper is made up of two sections: A and B.
2. Section A has 40 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Answer ALL questions in both sections A and B.
5. All answers must be written in the space provided in blue or black ball point pens and ink. Only diagrams should be done in pencil.
6. Unnecessary crossing of answers will lead to loss of marks.
7. Any handwriting, which 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 USE ONLY		
QN. NO	MARKS	SIGN
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A. (40 Marks)

1. What type of change takes place when a seedling germinates?

.....
.....

3. Name any **one** example of stem tubers.

.....
.....

5. Why should toilet papers be used in water borne toilets instead of using leaves.

.....
.....

7. Name the stage in the lifecycle of a butterfly that is harmful to crops.

.....
.....

9. State the function of incisor teeth.

10. Name the kind of force involved when an object is falling to the ground.

.....
.....

12. Suggest **one** danger of carrying out transplanting of vegetable seedlings in the morning.

.....
.....

14. Mention **one** immunisable disease which affects the muscles.

.....
.....

15. Give **one** use of alcohol in a society.

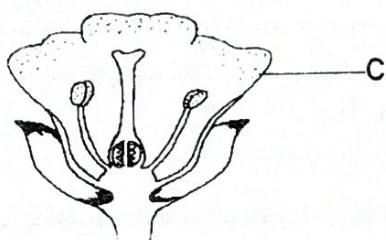
6. Name one example of scavenger birds.
-
7. State one difference between the xylophone and the guitar in terms of how they are played.
-

8. Why are solar panels painted black?
-

9. How is reproduction in conifers different from that of liverworts?
-

10. State one way in which a plant cools itself on a hot day.
-

The diagram below is of a flower. Use it to answer question 21.



In which way is part marked C able to attract insects for pollination?

.....

11. Name any one fungal disease in human beings.
-

12. Give one reason why we see the flash of lightning before we hear the sound of thunder.
-

14. Name the cattle disease that affects the udder.
-

15. Why are people going to clean latrines advised to wear gumboots?
-

16. Write down any one way man can make use of single fixed pulleys.
-

27. Why is fish introduced in a pond able to control the spread of malaria?

.....

28. Apart from the earth, state one other example of natural magnets.

.....

29. Name one mineral salt which helps to build up the skeletal system.

.....

30. Mention any one requirement for starting a dairy farm.

.....

31. State any one function of the ear to the human body.

.....

32. Why is the moon not a natural source of light?

.....

33. Why is a spider said to be an arachnid not an insect?

.....

34. State the function of the hammer in an electric bell.

.....

35. Which process in living things adds carbon dioxide into the environment?

.....

36. How is a tadpole similar to fish in terms of breathing?

.....

37. State the function of the ball bearings found in moving parts of a bicycle.

.....

38. How is BCG vaccine administered to babies?

.....

39. State one importance of sweating to the human body.

.....

40. Name the colour that appears at the top of a rain bow.

.....

SECTION .B. (60 Marks)

11. (a) Mention any two characteristics of mammals.

- (i).....
(ii).....

(b) Name any one example of an egg laying mammal.

(c) How is fertilization in dogs different from that in frogs?

12. (a) What is drug abuse?

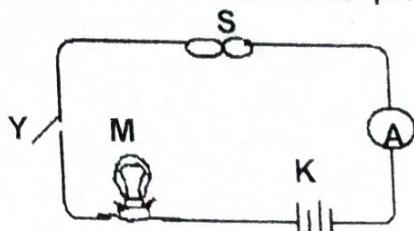
(b) State the major factor that makes youths abuse drugs.

(c) Name any two commonly abused drugs.

- (i).....

- (ii).....

The diagram below shows a simple electric circuit. Use it to answer question 43.



43. (a) What kind of energy is stored in part K?

(b) State the function of part marked S in a circuit.

(c) Name two forms of energy produced by part M when Y is closed.

- (i)

- (ii)

44. Match instruments in list A with their uses in B correctly.

A

Lactometer

Strip cup

Drenching gun

Syringe

B

used to inject medicine in animals

finds density of milk

detects mastitis

used to give liquid medicine to animals through the mouth

(a) Lactometer.....

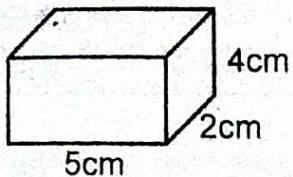
(b) Strip cup.....

(c) Drenching gun.....

(d) Syringe.....

• 5. The diagram below shows a metallic cuboid which weighs 800gms.

(a) Find its volume. (02 Marks)



(b) Calculate its density. (02 Marks)

• 6. (a) State any two functions of the human skeleton.

- (i).....
(ii).....

(b) Explain these disorders of the skeletal system;

(i) Fracture

(ii) Dislocation.....

(a) Write down any two functions of leaves to plants.

- (i).....
(ii).....

(b) What type of venation do leaves of sugarcane have?

(c) How is a sugarcane plant propagated?

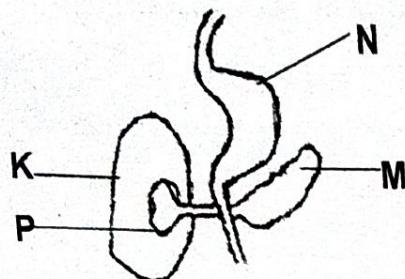
• 8. (a) List any two immunisable diseases prevented by using DPT vaccine.

- (i)
- (ii)

(b) Give two signs of tuberculosis common in people with HIV/AIDS.

- (i)
- (ii)

The diagram below is part of the human digestive system. Use it to answer question 49.



49. (a) Name parts marked;

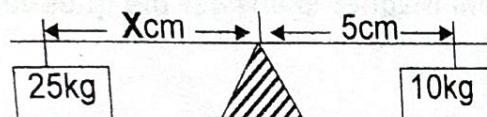
(i) K.....

(ii) M.....

(b) Identify the juice produced in organ N.

(c) Name the liquid substance stored in organ P.

50. (a) Calculate the value of length marked X on a balancing lever below.



(b) Explain each of the following terms as used in the study of levers;

(i) Effort-Arm

(ii) Load-Arm

51. (a) Give any two advantages of mulching tomato gardens.

(i).....

(ii).....

(b) Apart from mulching, name two other practices done in caring for tomatoes.

(i)

(ii)

52. (a) Identify the component of blood attacked by HIV germ.

(b) State the important mineral salt used in making red blood cells in our bodies.

(c) Name the part of the body where red blood cells are made.

(d) Give the main structural difference between white blood cells and red blood cells.

53. (a) How is friction useful to a P.7 pupil in class?

(b) Why is it difficult to write on an oiled paper?

(c) Name **one** material used to make handles of electrical appliances.

(d) Why are handles of most tools made rough?

Use the diagram below of a permanent magnet to answer the question 54.



54. (a) State **one** way you can make the same magnet from a piece of steel.

(b) State **one** way you can demagnetize the above magnet.

(c) Complete the above diagram by drawing the lines of force around the magnet.

(d) What happens to the above magnet if it is suspended freely in air?

55. (a) What causes ringworm infection?

(b) Which organ of the human body do ringworms attack?

(c) Suggest **two** ways of preventing the spread of ringworms.

(i) _____

(ii) _____

END

RUBANDA CATHOLIC HEADTEACHERS' ASSOCIATION PRIMARY SCHOOLS PRE-PRIMARY LEAVING MOCK EXAMINATION 2024

MATHEMATICS

Time allowed: 2 hours 30 minutes.

Random No.	Personal No.

Candidate's Name:.....

Candidate's Signature:.....

School Name:.....

Read the following instructions carefully:

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3. Section B has 12 questions (60 marks)
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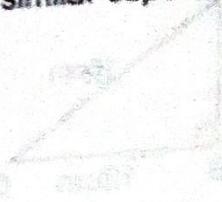
SECTION A. (40 Marks)

1.	Multiply; 22×3	2.	Simplify; $7k - 8k + 5k$.
3.	Write in words; 30,049.	4.	Add; $101_{\text{two}} + 11_{\text{two}}$
5.	Solve; $3(p - 4) = 12$	6.	Add; $\frac{2}{3} + \frac{1}{4}$
7.	Express 750gm as a percentage of 3kg.	8.	Simplify; $16 - + 7$
9.	Write XCIX in Hindu Arabic numerals.	10.	Using a ruler, a pencil and a pair of compasses only, construct an angle of 150°

Express 90km/h to m/sec.

12.

The cost of 3 cups is sh. 6000. Find the cost of 5 similar cups.

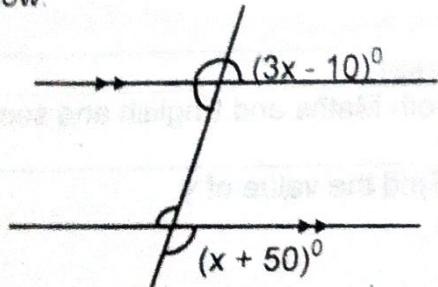


13. Write 23875 in scientific notation form.

14.

Annah deposited $\frac{1}{3}$ of her salary in the bank and remained with sh. 36,000. What is her salary?

15. Work out the value of "x" in the figure below.

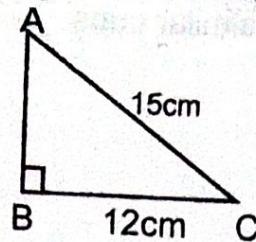


16.

Find the least number of books which can be divided by either 9 or 12 pupils and gives a remainder of 4 books.



17. Find the length of AB in the figure below.

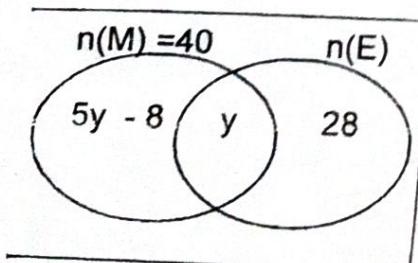


18. Find the area of a circle whose radius is 14cm. (Take π as $\frac{22}{7}$)

19. Subtract $2p - 4$ from $5p - 6$.

20. Tom is 8 years older than his brother Benon. If their total age is 70 years, how old is Benon?

21. In a class, 40 pupils like Maths (M), y pupils like both Maths and English and some like English only as shown in the venn diagram below.



- (a) Find the value of y .

24. The sum of 4 consecutive even numbers is 76. Find the numbers.

25. Nambi went to the market and bought the following items; (05 marks)

3kg of sugar at sh. 5000 per kg.

3½kg of rice at sh. 4000 per kg.

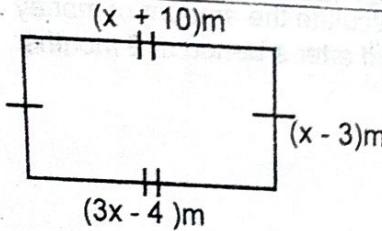
750grams of salt at sh. 1200 per kg.

4 loaves of bread at sh. 20,000.

(a) Calculate her total expenditure.

(b) If she went with fifty thousand shillings only, what was her balance after buying all the items?

26. Below is a rectangle. Use it to answer the questions that follow. (06 marks)



(a) Find the value of x.

(b) Calculate the area of the above figure.

(05 marks)

A motorist travelled from Kasese to Hoima via Fort portal. He travelled from Kasese to Fort portal at a speed of 60km/h for $1\frac{1}{2}$ hours and continued to Holma at a steady speed of 95km/h for 2 hours.

Calculate the distance from Kasese to Fort portal.

(b)

Find the average speed for the whole journey.

(05 marks)

John spent $\frac{1}{2}$ of his monthly salary on clothes, $\frac{1}{4}$ of the remainder on food and he was left with Sh. 72,000. Calculate his monthly salary.

(05 Marks)

29. Abdu shared amount of money worth sh. 480,000 among his three sons; Musa, Ali and Sula in the ratio of 3:4:5 respectively.

(a) How much did Ali get?

(b)

How much more money did Sula get than Musa?

(04 marks)

30. (a) Using a pair of compasses, a ruler and a pencil only, construct triangle ABC where line AB = 7 cm, angle BAC = 30° and angle ABC = 90° .
 (b) Find the average speed for the journey.

(b) Measure length AC.
 marks)
 $AC =$

31. (a) Solve; $4(k + 1) - 2(k - 5) = 20$ (b) Given that: $a = 3$, $b = -3$ and $c = 5$,
 find; $\frac{ac - b}{ab}$

32. Given that; $y = 2x - 1$, complete the table below. (05 marks)

x	2	6	0
y	9	-5

END

(05 Marks)