



**KAMPALA PRIMARY SCHOOLS HEADTEACHERS'
EXAMINATIONS COMMITTEE (KAPSHA)
PRIMARY SIX END OF YEAR EXAMINATIONS 2024
INTEGRATED SCIENCE**

TIME ALLOWED: 2 HOURS 15 MINUTES

PUPIL'S NAME: _____

SCHOOL: _____

DIVISION: _____

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

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 Blue or Black
Ball - point pen or ink
6. Un-necessary alteration of work may lead to
loss of marks.
7. All diagrams **MUST** be drawn in pencils.
8. Any handwriting that cannot be easily read may
lead to loss of marks.
9. Do **not** fill any thing in the boxes shown
"For Examiner's use only".

**FOR EXAMINER'S USE
ONLY**

QN. NO.	MARKS	SIGN
1 - 10		
11 - 20		
21 - 40		
41 - 45		
46 - 50		
51 - 55		
TOTAL		

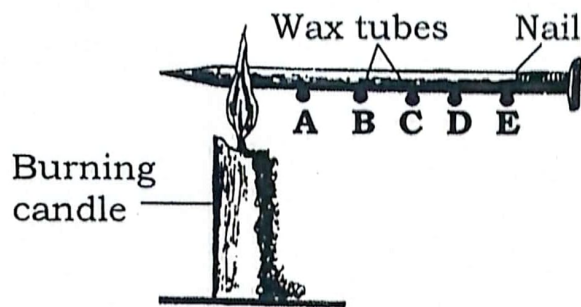
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TURN OVER

SECTION A

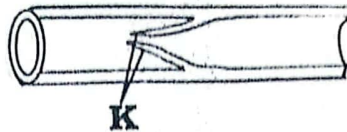
1. Name one natural source of heat in the environment.
.....
2. State the importance of washing hands with clean water and soap after visiting a latrine.
.....
3. Give one way of conserving animals in the forests.
.....
4. Name the sense organ for hearing in people.
.....

Study the diagram below about heat transfer and use it to answer question that follow.



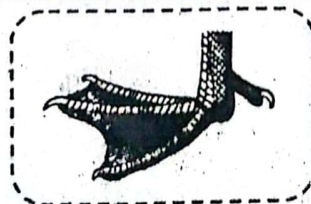
5. How does heat from the candle move through the nail?
.....
6. Why do you think wax **E** melted last?
.....
7. Name the second stage in the life cycle of a cockroach.
.....
8. Mention any one factor considered when setting a bee hive.
.....
9. State the role of enzymes during digestion.
.....
10. Give one advantage of using artificial insemination.
.....
11. How does sun drying help to preserve cassava?
.....
12. State one effect of smoking to a pregnant woman.
.....
13. Name the type of teeth missing in the milk set.
.....

The illustration below shows a blood vessel use it to answer questions that follow.



14. Identify the blood vessel shown in the above diagram.
.....
15. How are structures marked "K" useful in the blood vessel above.
.....
16. In which part of the male reproductive system are sperms stored?
.....
17. How is yeast different from mushroom in terms of reproduction?
.....
.....
18. Give the important of geckos in a residential house.
.....
19. State one role played by a primary six child at home.
.....
20. In which part of a plant does pollination occur?
.....
21. Why is the egg shell of an egg porous?
.....
22. Give the element of **P.H.C** promoted by feeding on food rich in a balanced diet.
.....
23. State the importance of soaking clothes before cleaning.
.....
24. Mention one example of a daily breed of goats.
.....
25. How is wind important to a crop farmer?
.....

Use the illustration below to answer questions that follow.



26. Identify the group of birds with such a foot.
.....

27. How are such long legs important to the birds named in (26) above?
.....
28. Name the process in a water cycle that occurs in plants.
.....
29. State **one** common characteristic of arthropods.
.....
30. How is a dust bin useful in a classroom?
.....
31. State the best way of controlling the spread of HIV among school going children.
.....
32. In which way is the feeding of a tape worm different from that of a hook worm?
.....
33. Write the basic unit for measuring mass.
.....
34. State the importance of raising a hutch from the ground when constructing.
.....
35. Give **one** example of a pouched mammal.
.....

Use the diagram below to answer question 36 and 37.



36. Name the First Aid equipment marked "R"
.....
37. How is the above equipment useful when giving First Aid?
.....
38. Name the component of soil formed as a result of decomposition.
.....
39. Mention **one** natural source of sound.
.....
40. Give **one** example of a crop propagated by means of suckers.
.....

SECTION B (60Marks)

41. a) What are *renewable resources*?

.....
.....

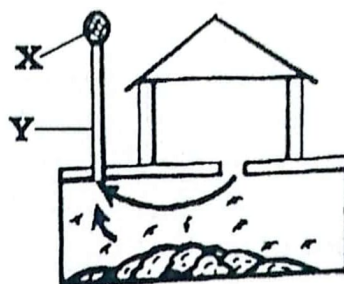
b) A part from animals, give **two** other examples of renewable resources.

i) ii)

c) Name the form of energy got from fast flowing water.

.....

42. **Use the diagram of a type of pit latrine below to answer questions that follow.**



a) Name the part marked "X".

.....

b) State the function of part "Y"

.....

c) Why is the square hole of the above latrine left open?

.....

d) Give **one** way of promoting sanitation in the above latrine.

.....

43. a) What are *essential drugs*?

.....

b) Give **one** characteristics of essential drugs.

.....

c) Why should essential drugs be prescribed?

.....

d) State **one** way of preventing drug poisoning.

.....

44. a) Mention **two** examples of chemical changes.

i) ii)

b) Give **one** characteristic of chemical changes.

.....

c) State **one** advantage of chemical changes in the environment.

.....

45. Use the table below about vertebrates to answer question.

P	Q
Turkey	Snake
Dove	Chameleon
Parrot	Crocodile

a) Identify the group of vertebrates in **P** and **Q**.

i) **P**

ii) **Q**

b) State the similarity and difference between the two groups of vertebrates in the table.

i) Similarity

ii) Difference

46. a) Give one example of a root crop.

b) How is the crop named in (a) above propagated?

c) Mention one example of a root crop pest.

d) State one way of controlling root crop pest.

47. a) What is *seed dispersal*?

b) Mention two characteristics of seeds dispersed by wind.

i)

ii)

c) Give one importance of seed dispersal in the environment.

48. Match the terms in list A to their meanings in list B correctly as used in sound.

A
Pitch
Volume
Frequency
Echo

B
Reflected sound
Highness or lowness of sound
Loudness or softness of sound
Number of vibration per second

i) Pitch -

ii) Volume -

iii) Frequency -

iv) Echo -

49. a) What term describes the development of a seed into a seedling?

b) Mention **two** conditions needed for a seed to develop into a seedling.

i)

ii)

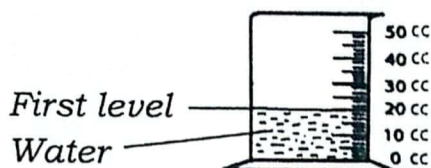
c) State **one** reason why some seeds fail to develop into seedlings given favourable conditions.

.....
.....

50. a) Calculate the volume of an irregular object of a mass **60g** and density of **2g/cc**.

(2marks)

b) Using a pencil and a ruler indicate the second level of water if the above object is immersed in the measuring cylinder below. (1mark)



c) Why do some objects sink in water?

.....

51. a) What are *communicable diseases*?

.....

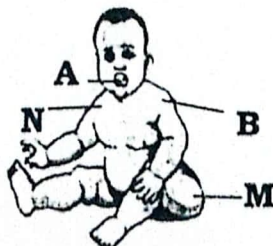
b) State **two** ways in which communicable diseases spread.

i) ii)

c) Name **one** communicable disease of the eyes.

.....

52. **The illustration below shows the immunization sites use it to answer questions that follow.**



a) Identify the vaccines administered through;

Part A -

Part N -

b) Why is vaccine **B** administered to babies at **9** months?
.....

c) State one importance of immunization to a child.
.....

53. Mr. Kakooza's child was seen with the following signs.

- Moon face
- Pot belly
- Brown silky hair
- Wasted muscles

a) Which deficiency disease was the child suffering from?
.....

b) Give the cause of the above deficient disease.
.....

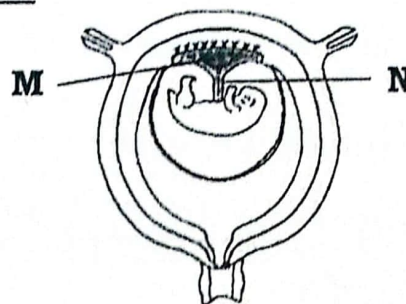
c) What piece of advice would you give to Mr. Kakooza to save his child?
.....

d) Give any one cause of poor feeding in some families.
.....

54. a) Name the intestinal worm that enters the body through;

- i) Eating undercooked meat
- ii) Penetrating the bare skin
- b) State any one sign of intestinal worms in one's body?
.....

55. Use the diagram of the female reproductive system below to answer questions that follow



a) Name the part marked **N**.
.....

b) State the function of parts:

- i) **M**
- ii) **N**

c) Mention the artificial permanent family planning method in females.
.....