

# THE SIPRO END OF TERM I EXAMINATIONS 2024

SUBJECT : INTEGRATED SCIENCE

CLASS : PRIMARY SIX

DURATION : 2 hours 15 minutes

Name : \_\_\_\_\_

School : \_\_\_\_\_

District : \_\_\_\_\_

## READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: A and B.
2. Section A has 40 questions (40 Marks).
3. Section B has 15 questions (60 Marks).
4. Attempt all questions in both sections. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
6. Unnecessary alteration of work will 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 EXAMINER'S USE ONLY"

## For Examiner's Use Only;

PAGES	MARKS	INITIALS
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Total		

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## SECTION A: 40 MARKS

Questions 1 to 40 carry **one** mark each.

1. Name any **one** foodstuff rich in proteins.

2. How do hookworms enter into our bodies?

3. Mention any **one** method of harvesting cassava.

4. Which form of energy from the sun enables plants to manufacture starch?

5. How are houseflies able to spread germs?

The diagram below is of a mollusc. Study and use it to answer question 6.



6. How is the mollusc shown in the diagram above dangerous to human health?

7. Give any **one** way heat travels through matter.

8. Which type of digestion takes place in the mouth by the action of the teeth?

9. Give any **one** method of controlling pests in the garden.

10. State any **one** importance of wild birds in the environment.

11. Write any **one** way of controlling vectors in our environment.

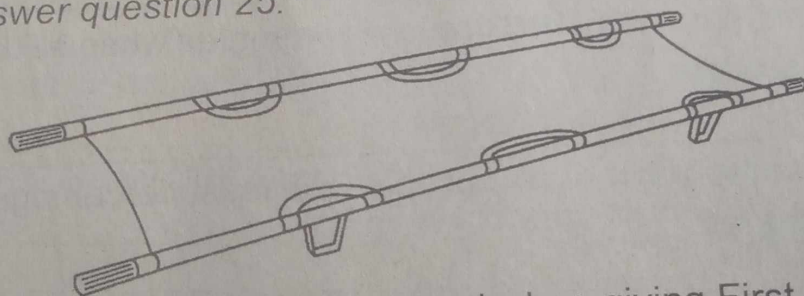
12. Name the group of musical instruments that produces sound by vibration of the surface when hit.





13. Mention any **one** example of a food taboo.
14. In which units is weight measured?
15. Give any **one** example of seeds which are first planted in a seed bed.
16. State the type of teeth responsible for cutting food in the mouth.
17. Write any **one** role played by children in the promotion of immunisation in a community.
18. Which type of germ causes malaria among people?
19. How is a blubber important to sea mammals?
20. Give **one** way the soil benefits from earthworms.
21. How is a broom important in the promotion of sanitation?
22. Which method of preserving food involves the use of heat from slow burning fire?
23. How does the beak help a bird to protect itself?
24. Name the method of heat transfer involved in the water cycle.

The diagram below shows a tool used in giving first aid. Study and use it to answer question 25.



25. When is the tool shown above used when giving First Aid?



39. How does docking ewes make their mating process easy?

40. Which useful fungus is used in the fermentation method of making alcohol?

### SECTION B: 60 MARKS

Questions 41 to 55 carry **four** marks each.

41(a) How are the feet of an eagle adapted to its feeding mode?

(b) Mention any other **two** birds which belong to the same group as a kite.

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

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

(c) How are feathers important to birds?

42(a) Give the difference between annual and perennial crops.

(b) State any **two** factors considered when choosing a site for placing a crop garden.

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

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

(c) Write any **one** way people benefit from crop growing.

43(a) What brings about floating or sinking of objects?

(b) Give any **two** examples of objects that can sink in water.

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

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

(c) Why do objects weigh less while in water?

44(a) State any **two** components of blood.

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

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

(b) Give **two** uses of blood in the human body.

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

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





45(a) State any **two** examples of domestic animals.

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

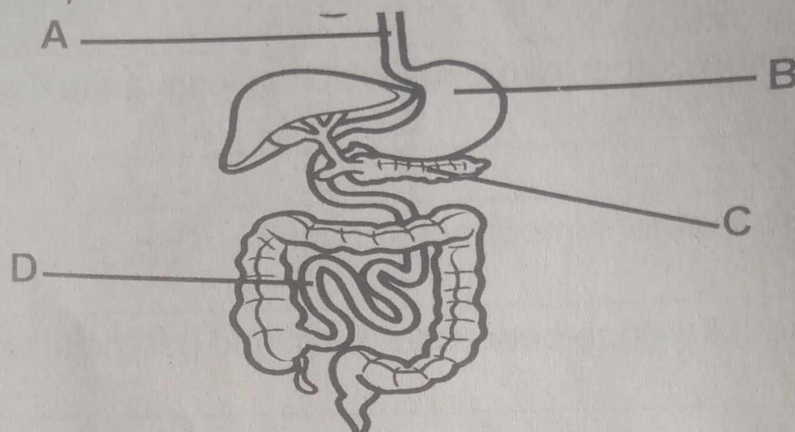
(ii) \_\_\_\_\_

(b) Name any **two** products obtained from domestic animals.

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

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

46. The diagram below shows part of the digestive system. Study and use it to answer the questions that follow.



(a) Name the parts labelled with letters A and B.

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

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

(b) Give the digestive juice produced by part labelled with letter C.

(c) Which digestive process takes place in part marked with letter D?

47(a) Mention any **two** examples of intestinal worms.

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

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

(b) State any **two** ways of controlling intestinal worms among children.

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

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

48(a) Write **HIV** in full.

(b) Write any **two** ways people can control the spread of **HIV** in the community.

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

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

(c) State any **one** way of caring for HIV/AIDS patients.

49. Match the garden tools in list A to their uses in list B.

A

garden fork  
trowel  
watering can  
sickle

B

harvesting cereals  
turning manure  
transplanting seedlings  
watering seedlings

- (i) garden fork \_\_\_\_\_  
(ii) trowel \_\_\_\_\_  
(iii) watering can \_\_\_\_\_  
(iv) sickle \_\_\_\_\_

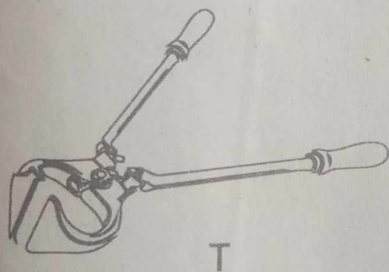
50(a) How can you separate salt mixed in water?

(b) Give any **two** items used to carry out the filtration process.

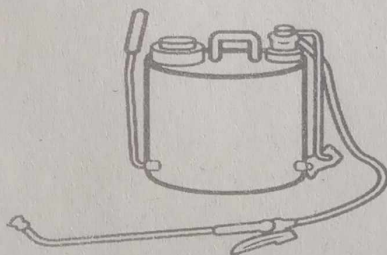
- (i) \_\_\_\_\_  
(ii) \_\_\_\_\_

(c) What name is given to a mixture of salt and water?

51. The diagrams below are of tools used on a goat farm. Study and use them to answer the questions that follow.



T



Z

(a) Name the tools drawn above:

- (i) T \_\_\_\_\_  
(ii) Z \_\_\_\_\_

(b) Give the function of each of the above drawn tools on a goat farm.

- (i) T \_\_\_\_\_  
(ii) Z \_\_\_\_\_

52(a) Give any **two** examples of common plants found in the school compound.

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





(b) State any **two** advantages of trees in the school compound.

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

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

53(a) Give any **two** examples of vaccines that are administered to babies after birth.

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

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

(b) How does immunisation boost the body immunity?

(c) Which immunisable disease affects the liver?

54(a) State any **two** methods of storing sound.

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

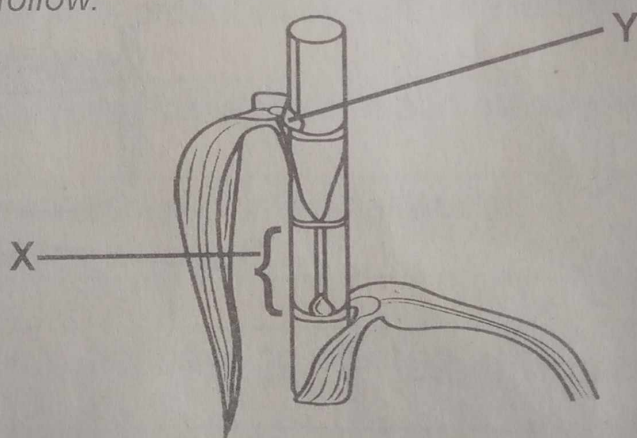
(ii) \_\_\_\_\_

(b) Mention any **two** devices used to reproduce stored sound.

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

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

55. The diagram below is of part of a plant. Study and use it to answer the questions that follow.



(a) Identify the parts labelled with letters X and Y.

(i) X \_\_\_\_\_

(ii) Y \_\_\_\_\_

(b) How is part labelled with letter Y important to a plant?

(c) Name the leaf venation in the leaves on the part drawn above.