

# THE SIPRO END OF TERM I EXAMINATIONS 2023

SUBJECT      INTEGRATED SCIENCE  
CLASS        PRIMARY FIVE  
DURATION    2 hours 15 minutes

Name \_\_\_\_\_

School \_\_\_\_\_

District \_\_\_\_\_

## READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. The paper has two sections A and B
2. Section A has 20 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/crossing** 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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(b) Give any **two** signs of poor sanitation in the environment.

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

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

44 (a) Mention the component of the environment destroyed through deforestation.

(b) Apart from deforestation, mention any other **two** human activities that destroy the natural environment

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

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

(c) Give any **one** effect of deforestation to the environment.

45 (a) Name **two** examples of internal body organs.

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

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

(b) State **two** ways of caring for internal body organs.

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

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

46 Match the weather instruments in *list A* below to their functions in *list B*.

**List A**

wind vane  
barometer

hygrometer  
anemometer

**List B**

measures air pressure

measures the amount of water vapour  
in the atmosphere

shows the direction of wind

measures speed of wind

i) wind vane \_\_\_\_\_

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

iii) hygrometer \_\_\_\_\_

iv) anemometer \_\_\_\_\_

47 (a) Why is typhoid grouped under communicable diseases?

(b) Write any **two** symptoms of typhoid in human beings.

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

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

38. State one way of caring for a sick goat on a farm.
39. Which part of a flower protects it during the bud stage?
40. Mention any **one** importance of the brain in human beings.

### SECTION B: 60 MARKS

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

41. (a) Name the **two** types of honey bees.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (b) Write the bee product used in food processing industries.
- (c) Give the main reason why honey bees are regarded as social insects.

42. The diagram below shows a driver pumping air in an empty tyre. Study it carefully and answer the questions that follow.



- (a) Name the properties of air shown in the activity shown in the diagram above.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (b) Apart from the properties of air represented in the activity above, write **two** other properties of air.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
43. (a) State the importance of the following items in promotion of sanitation.
- (i) broom \_\_\_\_\_
- (ii) rag \_\_\_\_\_





24. Give the reason why the chicks move closer to the electric lamp as shown in the diagram above.

25. Name one common foodstuff rich in proteins.

26. Which disease in rabbits makes them pass out yellowish diarrhoea?

27. State one way of conserving firewood at home.

28. Give one effect of floods in the environment.

29. Mention any one way a blacksmith makes use of heat energy.

30. Why is it important to remove food remains in the teeth when an individual finishes a meal?

31. Give one way of preventing houseflies from falling on our food.

32. Apart from supporting plant growth, how else is air useful to people?

33. State one activity that can be done to control rats in the house.

34. In which way are donkeys and horses useful to people in the community?

35. Name one substance that can be used to make Oral Rehydration Solution locally at home.

Below is a common crop growing practice. Use it to answer question 36.



36. Name the crop growing practice shown in the diagram above.

37. Give any one advantage of using a modern beehive over a traditional one.



52. (a) Give the major reason why poultry farmers rear;
- broilers \_\_\_\_\_
  - layers \_\_\_\_\_
- (b) Which type of mash is given to;
- broilers ? \_\_\_\_\_
  - layers ? \_\_\_\_\_

53. (a) State the difference between mass and volume as used in measurements
- \_\_\_\_\_
- \_\_\_\_\_

(b) Which method is used to find the volume of objects like a mango?

\_\_\_\_\_

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

\_\_\_\_\_

(d) Name one item used when finding the volume of a mango.

\_\_\_\_\_

54. The diagrams below are of leaves. Study and use them to answer the questions that follow

M



N



(a) Name the compound leaf marked with letter;

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

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

(b) Write any two characteristics of compound leaves.

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

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

55. (a) Write two examples of PIASCY messages commonly displayed in school compounds.

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

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

(b) Write any two ways a P.5 child benefits from following PIASCY messages.

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

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





15 Which intestinal worms make an individual to become anaemic?

The diagram below is of an item found in most kitchens at home.  
it to answer question 16



16 How is the kitchen item drawn above useful at home?

17 State **one** way of safe guarding ourselves against contraction of COVID -19 and whooping cough

18 Besides construction work, give **one** other use of sand to people in the community.

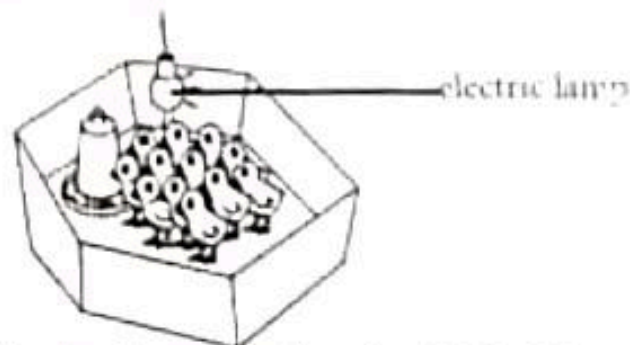
19 Mention any **one** activity done at home to keep it clean

20 Apart from mulching, mention **one** other way crop farmers care for the crops in the gardens

21 In which season do crop farmers commonly harvest their ready crops in the gardens?

22 Name **one** part that makes up the root system of a flowering plant

Below is a diagram showing chicks in a poultry house. Study it to answer questions 23 and 24.



23 Which type of brooder is shown in the diagram above?



(c) Give any **one** of the steps taken to control typhoid as a communicable disease among people

48 (a) Why is a fish regarded as a wild animal?

(b) Apart from fish, write down any **two** other examples of wild animals

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

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

(c) State any **one** way of caring for wild animals

49 Below is a diagram showing a garden tool. Study it carefully and answer the questions that follow



(a) Name the garden tool shown in the diagram above

(b) Write any **two** uses of the garden tool shown in the diagram above

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

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

(c) How should the garden tool above be prevented from rusting?

50 (a) Name **two** examples of dairy goat breeds

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

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

(b) State any **two** ways farmers can improve on milk production among dairy goats

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

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

51 (a) Name the deficiency disease that affects the

(i) thyroid glands \_\_\_\_\_

(ii) the bones \_\_\_\_\_

(b) Write down any **two** natural causes of malnutrition among family members

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

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



## SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each

1. Name the breed of rabbits that is mainly kept for fur.

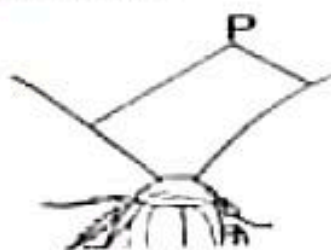
2. State one importance of plant leaves to people

3. Give one way of caring for domestic animals like cats.

4. How are clouds important to crop farmers?

5. Name one example of a root tuber propagated by use of stem cuttings.

The diagram below shows the head of a cockroach. Use it to answer question 6.



6. Apart from feeling, give another use of the structures marked with letter P to a cockroach

7. Name one goat product used in a textile industry.

8. What term refers to the amount of space an object occupies?

9. Give one way wild animals get food from the environment.

10. Write one example of a craft made out of sisal

11. Mention any one advantage of rearing local breeds of poultry.

12. Give one way of preventing poisoning among family members at home

13. State any one effect of deficiency diseases to infants.

14. Write any one sanitary component of a clean home.