

# THE SIPRO END OF TERM III EXAMINATIONS 2023

SUBJECT      INTEGRATED SCIENCE  
CLASS        PRIMARY FIVE  
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		

Please



**SECTION A: 40 MARKS**

*Questions 1 to 40 carry one mark each.*

1. Name the type of soil with the finest particles.
2. Mention one class of food which is not digested in the human digestive system.
3. Give one example of an insect vector.
4. State one way in which sunny weather is useful to people.
5. How is mulching useful in a tomato garden?

The diagram below shows a plant with a creeping stem. Use it to answer question 6.



6. Name the method of climbing shown above.
7. Give the difference between broilers and layers as types of chicken.
8. What advice can you give to a mother whose child has poor night vision?
9. State one importance of cotyledons to the embryo of a germinating bean seed.
10. How are earthworms important in the soil?

The diagram below shows a garden tool. Use it to answer questions 11 and 12.



11. Name the garden tool shown above.
12. State the function of the above garden tool to a crop farmer.
13. State one way of rehydrating a dehydrated person.

14. Why is it dangerous to leave windows and doors open during evening hours?
15. Which immunizable disease leads to swelling of the neck and difficulty in breathing?
16. Which form of energy makes a balloon burst when left in sunshine?
17. Why is a feather able to float on water?
18. Name the element of PHC promoted when a P.5 child sweeps the classroom.
19. Which part of a hen does it use when turning the eggs during natural incubation?
20. What first aid can you give to a fellow pupil with a scalded leg?
21. Mention **one** part of the alimentary canal where mechanical digestion of food takes place.

*Study the diagram below about air and use it to answer questions 22 and 23.*



22. Which property of air is illustrated in the diagram above?
23. Why is the beam balance bent downwards on the side of balloon A?
24. Give **one** way babies can acquire natural immunity.
25. Mention **one** living component of soil.
26. In which way does a chameleon protect itself against enemies?
27. What stops a queen bee from eating honey in a modern beehive?
28. Write **one** way in which crop farmers make use of poultry droppings.





29. State one way of promoting oral hygiene.
30. Which scientific term refers to a substance which dissolves in a solvent?
31. In which part of a female flower does fertilization take place?
32. Name the type of teeth used for cutting food.
33. Mention any one danger of failure to groom fingernails.
34. State the main reason why stones and metals are grouped under solids.
35. In which way are sugarcane plants planted?
36. Give one importance of dustbins in a school.
37. State any one danger of living in bushy areas.
38. How is food useful in the body of a P.5 child?
39. How is poor disposal of faeces dangerous to the health of people in the community?
40. State one way reproduction of most fungi is different from that of bacteria.

**SECTION B: 60 MARKS**

*Questions 41 to 55 carry four marks each*

41. The diagram below shows a tool used to give first aid. Use it to answer the questions that follow



- (a) What kind of accident victims require the use of the first aid tool above?
- (b) Why can't the first aid tool above be put in a first aid box?
- (c) State one danger of giving first aid in a dirty place.
- (d) Mention any one local material used to make the above first aid tool.



42. a) Apart from loam, mention two other types of soil.

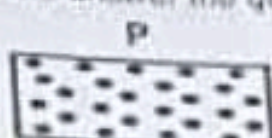
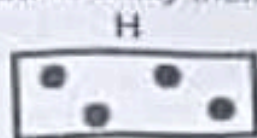
(i) \_\_\_\_\_

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

(b) Give one reason why loam is able to support proper plant growth.

(c) State one way of controlling soil erosion in the school compound.

43. The diagrams below show the arrangement of molecules in three states of matter. Study them carefully and answer the questions that follow.



(a) Name the state of matter marked with letter H.

(b) Which form of energy can change the state of matter K to P?

(c) Write any two examples of substances that belong to the state of matter marked H.

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

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

44. The table below shows ways of caring for crops. Use it to answer the questions that follow.

A	B	C	D
weeding	pruning	spraying	thinning

(a) Identify the practice from the table that helps to reduce the rate of transpiration.

(b) What name is given to chemicals used to carry out practice C?

(c) Why should practice A be carried out early enough?

(d) How else can a crop farmer control crop pests apart from using practice C?





45. (a) Apart from poliomyelitis, mention one other childhood immunisable disease whose vaccine is administered at birth.

(b) Which type of germs causes the immunisable disease named in (a) above?

(c) State two ways of controlling diseases in infants, apart from immunisation.

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

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

46. Match the following tools used to promote personal hygiene in list A to their uses in list B.

A

tooth paste

razor blade

towel

handkerchief

(i) tooth paste

(ii) razor blade

(iii) towel

(iv) handkerchief

B

for wiping sweat from the face

kills germs in the mouth

for grooming fingernails

for drying the skin after bathing

47. (a) Mention two materials collected by honey bees from the environment.

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

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

(b) State any two ways in which keeping bees is useful in our community.

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

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

48. (a) Name two forms of energy produced by a burning candle.

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

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

(b) Why is the candle commonly used by people in rural areas?

(c) Mention the component of air which supports the candle to keep burning.

49. (a) State **two** ways in which food is useful in the human body.

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

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

(b) Which class of food helps to boost the body immunity?

(c) State **one** effect of failure to feed on a balanced diet to the body.

50. (a) Name the type of rabbit breeds which matures quickly.

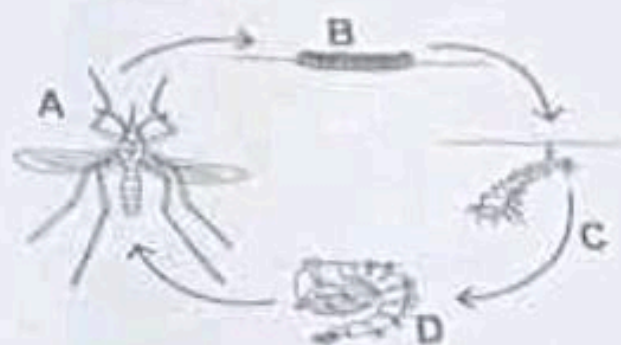
(b) State any **two** advantages of keeping rabbits.

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

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

(c) Give any **one** way in which diseases in rabbits can be controlled on a rabbit farm.

51. The diagram below is a lifecycle of a mosquito. Study and use it to answer the questions that follow.



(a) Name the type of lifecycle shown above.

(b) Which stage in the diagram above is dangerous to people?

(c) Name **one** stage from the above lifecycle that is controlled through oiling stagnant water.

(d) What name is given to stage marked D?





52. (a) Name two internal body organs found in the chest region.

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

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

(b) State any two ways of keeping all body organs healthy without using drugs.

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

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

53. The experiment below was carried out by a P.5 pupil during a science lesson. Study and use it to answer the questions that follow.



(a) Mention the group of objects to which object marked Q is classified.

(b) If object marked Q has a volume of 15cc. and is put in container P, draw the level of water in container S.

(c) Why is the volume of object marked Q found using the method illustrated above?

(d) State the standard units for measuring mass.

54. (a) Mention the parts of the digestive system where the following digestive juices are produced.

(i) bile juice \_\_\_\_\_

(ii) gastric juice \_\_\_\_\_

(b) State one way in which bile juice is important during the digestion of food.

(c) Mention any one way of controlling disorders of the digestive system.

55. (a) Which communicable disease is mainly controlled through the PIASCY programme?

(b) Write any two messages emphasized under PIASCY.

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

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

(c) Give one step done in a school to make children know about PIASCY messages.