

# THE SIPRO MID - TERM III EXAMINATIONS 2024

SUBJECT : INTEGRATED SCIENCE  
CLASS : PRIMARY FOUR  
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

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Total		

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# SEMAS

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## SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

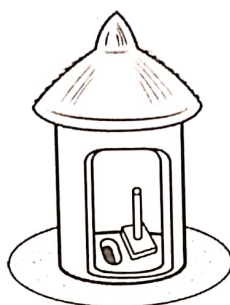
1. Mention the body organ used for feeling.

2. State any **one** importance of oxen to a crop farmer.

3. Why are coffee crops regarded as flowering plants?

4. Give any **one** way of managing sunny weather.

The diagram below is of a component of a clean home. Study and use it to answer question 5.



5. Give a reason why a clean home should have the component drawn above.

6. What name is given to a male mature rabbit?

7. Why are people encouraged to use toothpaste when brushing teeth?

8. Name **one** example of fuel got from trees.

9. Mention the part in the human body that has a similar function as the gills of a fish.

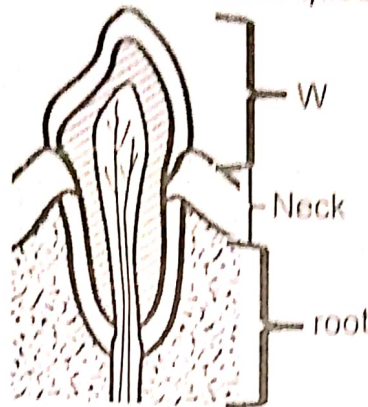
10. Why are people discouraged from drinking unboiled water?

11. Give any **one** way of conserving electricity at home.

12. State **one** danger of leaving food uncovered.



The diagram below is of a permanent tooth showing regions.  
Study it carefully and use it to answer questions 13 and 14.

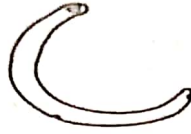


13. Write **one** mineral salt that makes up the region of a tooth marked **W**.  
\_\_\_\_\_
14. State **one** habit among young children that may harm the teeth.  
\_\_\_\_\_
15. Why do people wash their hands before eating food?  
\_\_\_\_\_
16. What crop growing practice prevents heavy banana fruit from falling?  
\_\_\_\_\_
17. Which class of food boosts our body immunity?  
\_\_\_\_\_
18. Mention any **one** item that can protect our feet from injuries.  
\_\_\_\_\_
19. Name the weather instrument that uses both alcohol and mercury to work.  
\_\_\_\_\_
20. State any **one** activity done to reduce rubbish in our environment.  
\_\_\_\_\_
21. Why do people dry harvested food before storage?  
\_\_\_\_\_
22. State the meaning of the term vectors.  
\_\_\_\_\_  
\_\_\_\_\_
23. Give **one** way oxygen is useful to plants.  
\_\_\_\_\_
24. Name **one** breeding place for mosquitoes.  
\_\_\_\_\_



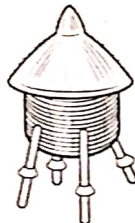


The diagram below shows an intestinal worm. Study and use it to answer question 25.



25. Which health problem is caused by the intestinal worm drawn above?  
\_\_\_\_\_
26. Write the type of soil that has the smoothest and finest particles.  
\_\_\_\_\_
27. Why should we wash our hands after a meal?  
\_\_\_\_\_
28. Name one source of food in our community.  
\_\_\_\_\_
29. What name is given to a mixture of gases in the environment?  
\_\_\_\_\_
30. How are incisor teeth adapted to their function of cutting food?  
\_\_\_\_\_
31. Which group of animals has the body covered with feathers?  
\_\_\_\_\_
32. Which deficiency disease makes a baby have a swollen moon face and little brown hair?  
\_\_\_\_\_
33. Name any one building material made from soil.  
\_\_\_\_\_
34. Why is malaria called a communicable disease?  
\_\_\_\_\_  
\_\_\_\_\_
35. Mention any one danger of poor sanitation in a community.  
\_\_\_\_\_

The diagram below shows a food storage facility. Study and use it to answer question 36.



36. Give a reason why rats are not always common in the structure above.  
\_\_\_\_\_



37. How is an anemometer useful at a weather station?
38. State one importance of a tape measure to a person sowing seeds.
39. Write the role of the sun in the water cycle.
40. Give one importance of movement to animals.

### SECTION B : 60 MARKS

*Questions 41 to 55 carry four marks each*

41. a) Name any two examples of wingless insects in our environment.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(b) State any two dangers of some insects to crop farmers.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
42. a) Write the group of people that is mainly targeted in the PIASCY programme.  
\_\_\_\_\_  
(b) Mention any two examples of PIASCY messages.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(c) Give any one problem faced by school children who don't follow the PIASCY programme.  
\_\_\_\_\_
43. a) State any one importance of these types of weather:  
(i) rainy weather \_\_\_\_\_  
(ii) sunny weather \_\_\_\_\_  
(b) State any two dangers of too much rainfall in the community.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
44. a) Which term is used to mean the process by which plants make starch?  
\_\_\_\_\_  
(b) Mention any two conditions necessary for plants to make starch.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(c) Why can't plants make starch at night?  
\_\_\_\_\_



45. The item drawn below is commonly used by people moving on a motorcycle. Study and use it to answer the questions that follow.

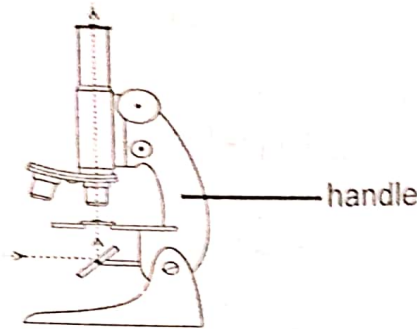


- (a) Name the item drawn above.  
\_\_\_\_\_
- (b) How is the tool above important to a person moving on a bicycle?  
\_\_\_\_\_
- (c) Name any **two** ways of controlling road accidents on a busy road.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
46. a) Name the garden tool used in pruning crops.  
\_\_\_\_\_
- (b) State any **two** advantages of pruning.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
- (c) Give **one** importance of pruned materials to crop farmers.  
\_\_\_\_\_
47. a) What name is given to the young ones of the following domestic animals?  
(i) rabbits \_\_\_\_\_  
(ii) cows \_\_\_\_\_
- (b) State **two** ways of caring for domestic animals.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
48. a) Write any **two** examples of bad eating habits.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
- (b) State any **two** importance of practising good eating habits as we eat food.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_





49. The diagram below is of an instrument used in hospitals by health workers. Study it carefully and use it to answer the questions that follow.

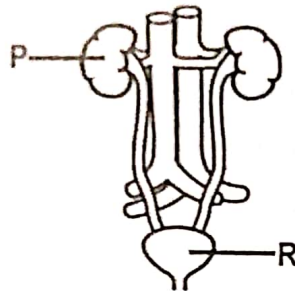


- (a) Name the instrument drawn above.  
\_\_\_\_\_
- (b) Give the use of the instrument drawn above to health workers.  
\_\_\_\_\_
- (c) Apart from the one drawn above, give two other items used in the hospital by health workers.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
50. a) Name the type of leaf venation in the plants given below;  
(i) maize plant \_\_\_\_\_  
(ii) bean plant \_\_\_\_\_
- (b) Name the part of a leaf that;  
(i) is used for breathing \_\_\_\_\_  
(ii) attaches it to the branch/stem \_\_\_\_\_
51. a) Mention any two importance of banana fibres to people.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
- (b) Name any two other natural materials got from plants.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
52. a) Give a reason why most crop farmers prefer growing annual crops to growing perennial crops.  
\_\_\_\_\_  
\_\_\_\_\_
- (b) Write any two examples of annual crops.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_



(c) Give one disadvantage of growing annual crops.

53. The diagram below shows some body organs. Study it carefully and use it to answer the questions that follow.



(a) Identify the body organ marked with letters;

(i) R: \_\_\_\_\_

(ii) P: \_\_\_\_\_

(b) State one role of organ marked with letter P on the diagram above.

(c) Give any one way of caring for organ marked with letter R.

54. a) How are these items important in our homes?

(i) rack? \_\_\_\_\_

(ii) bathroom? \_\_\_\_\_

(b) State any two diseases common in homes where members drink unboiled water.

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

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

55. Match these parts of a flower to their uses.

Part	Use
sepal	- stores ovules
stigma	- attracts pollinating agents
ovary	- protects a young flower
petal	- receives pollen

(i) sepal : \_\_\_\_\_

(ii) stigma : \_\_\_\_\_

(iii) ovary : \_\_\_\_\_

(iv) petal : \_\_\_\_\_

