

THE SIPRO BEGINNING OF TERM III 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

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Total		

Please turn over



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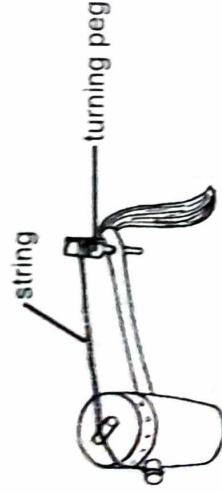


SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each

1. Which part of a plant mainly carries out the process of transpiration?
2. Mention any **one** human activity that leads to soil erosion in the environment.
3. In which way are birds like a kite and an eagle dangerous to poultry farmers?
4. Apart from maturing within more than one year, write **one** other characteristic of perennial crops.
5. Give **one** reason why chicks are seen near a charcoal pot in a deep litter house.
6. Why are windmills commonly used in desert areas?

The diagram below shows a string musical instrument. Study and use it carefully to answer questions 7 and 8.



7. Name the musical instrument drawn above.
8. What can be done to the instrument above in order to raise its pitch?
9. What is the function of a hydrometer in a science laboratory?
10. Name any **one** eye disease that is as a result of poor personal hygiene.
11. Give **one** way harvested rainwater can be made safe for drinking.
12. State the importance of a safety pin when administering first aid to a casualty.
13. How is a narrow lumen useful in the arteries?
14. In which way does sun drying control the multiplication of bacteria in harvested groundnut seeds?
15. Why is it important to feed on food rich in roughages to human health?



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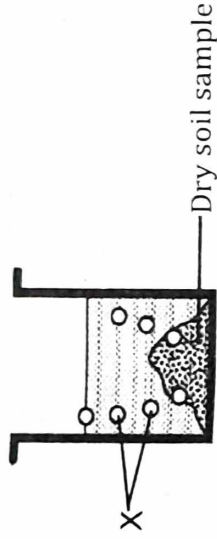
FOURTE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TEACHER'S GUIDES & PUPIL'S COMPANIONS.

1

16. Name the sensitive part of a tooth.

17. What excuse do long distance drivers give for chewing marijuana leaves?

The diagram below is of a property of air. Study and use it to answer question 18.



18. Which component of soil is represented by letter **X**?

19. State any **one** way of reducing breeding places for lice on the human body.

20. Name the class of food that mainly boosts the body immunity.

21. Why does severe cholera lead to dehydration in a victim?

22. Give any **one** way heat is useful to a blacksmith.

23. Name **one** example of a plant with an erect stem.

24. Mention the importance of fish in the control of malaria.

25. Which type of accident is managed through the use of splints?

26. What are root tubers?

27. How is a rabbit hutch made in order to allow free air circulation?

28. Why are vacuum flasks commonly used in urban areas?

29. Which method of separating mixtures enables preparation of fruit juice at home.

30. State **one** similarity between rusting and burning.

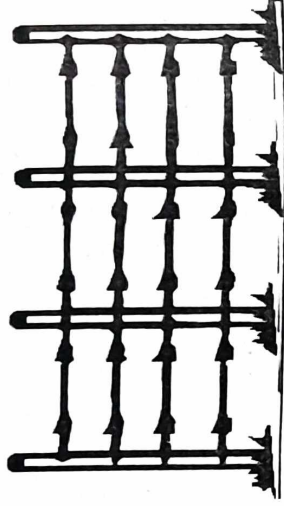


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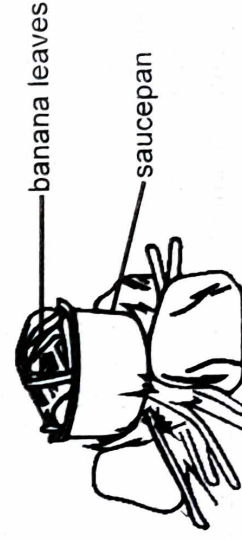
IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TEACHER'S GUIDES & PUPIL'S COMPANIONS.

The diagram below shows a type of fence. Study and use it to answer questions 31 and 32.



31. Name the type of fence drawn above.
32. State **one** disadvantage of such a fence on a livestock farm.
33. Write **one** use of minerals as resources.
34. Why are rat fleas a threat to human health?
35. Name any **one** farm tool used on a goat farm to carry out closed castration.
36. What can a mother do at home to control worm infestation among children?
37. Why does exhaled air contain less oxygen?
38. Give **one** example of a food taboo.

Below is a diagram showing a way of preparing food. Study and use it to answer questions 39 and 40.



39. How is heat transmitted through the saucepan able to reach the food being cooked?
40. State the importance of banana leaves used to cover food while cooking.



SECTION B : 60 MARKS

41. (a) What is Primary Health Care?
Questions 41 to 55 carry four marks each

(b) Write any two principles of Primary Health Care

(i) _____

(ii) _____

(c) Which element of Primary Health Care enables a P.G child to administer First aid to a sister with a scald?

42. (a) Give any one characteristic of hypospadias.

(b) Why does the root system develop first during germination?

(c) Of what use are the following conditions during germination?

(i) warmth

(ii) oxygen

43. (a) Mention any two examples of foodstuffs that help in strengthening bones in the body

(i) _____

(ii) _____

(b) What is the effect of each of the following activities to human teeth?

(i) opening bottles of soda with teeth

(ii) eating plenty of sweets

44. The diagram below shows the respiratory system. Study and use it to answer the questions that follow.



(a) Name the part marked with letter D.

(b) How is part marked with letter R suited to its function?

(c) What happens to part marked with letter M during inhalation?

(d) Give one way the system drawn above can be put in a proper working order.



45. (a) In which **two** ways can animals be used as resources?

(i) _____
(ii) _____

(b) Mention any **two** ways animals can be conserved as resources.

(i) _____
(ii) _____

46. (a) Give **two** causes of malnutrition in infants.

(i) _____
(ii) _____

(b) How can a mother identify that her child is malnourished?

(i) _____
(ii) _____

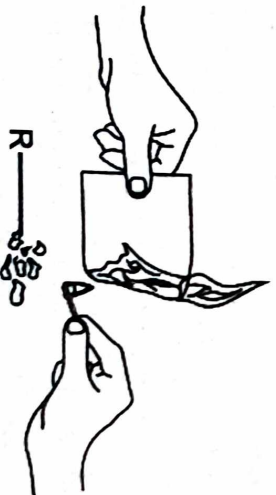
47. (a) Name the form of energy that enables the human eyes to perform their function.

(b) State the danger of looking directly at the sun to our eyes.

(c) Write **two** items that can be used to keep our eyes clean.

(i) _____
(ii) _____

48. The diagram below shows a person burning a piece of paper. Study and use it to answer the questions that follow.



(a) Which type of change is shown in the diagram above?

(b) Give **one** reason for your answer in (a) above.

(c) What name is given to the substance labelled with letter R?

(d) How is the type of change drawn above useful in our daily life?



49. Study the animals given below to answer the questions that follow.

gecko	fish	turkey	squirrel
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- (a) Give the similarity between a fish and a turkey in terms of reproduction.
- (b) Name the general body feature that makes the above animals be grouped together.

(c) Which group of vertebrates is missing in the list above?

(d) How useful is a gecko in a house?

50. (a) Give **two** examples of breeds of cattle with a triangular body formation.

(i) _____

(ii) _____

(b) Write any **two** products got from milk.

(i) _____

(ii) _____

51. (a) State the structural difference between a seed and a fruit.

(b) Give **two** functions of fruits to a plant.

(i) _____

(ii) _____

(c) Mention any **one** way fruits can be dispersed from one place to another.

52. (a) What is a colony as used in bee keeping?

(b) Write any **two** factors that may attract bees to occupy a new hive.

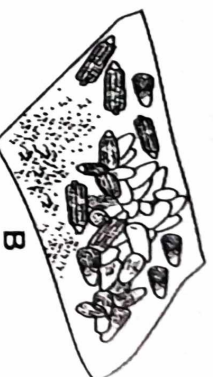
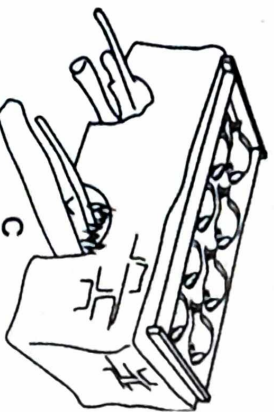
(i) _____

(ii) _____

(c) Name the type of bees that scouts and looks for a new beehive.



53. The diagram below shows two methods of preserving food. Study and use them to answer the questions that follow.



- (a) Name the methods of food preservation drawn above.
- (i) C _____
- (ii) B _____
- (b) How are the methods drawn above similar in the way they preserve food?
- _____
- (c) State **one** disadvantage of using method marked B to preserve food.
- _____

54. Match the vaccines given in list A to the body sites of administration in list B.

List A

BCG vaccine
Hep B vaccine
Polio vaccine
Measles vaccine

List B

- right upper thigh
- mouth
- right upper arm
- left upper arm
- left upper thigh

- (i) BCG vaccine : _____
- (ii) Hep B vaccine : _____
- (iii) Polio vaccine : _____
- (iv) Measles vaccine : _____

55. (a) Name the type of germ that causes the communicable diseases below;

(i) HIV/AIDS _____

(ii) cholera _____

(b) Mention **one** way the spread of each of the above communicable diseases can be controlled:

(i) HIV/AIDS _____

(ii) cholera _____

