

THE SIPRO END OF TERM III EXAMINATIONS 2024

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 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* 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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Page 2		
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Total		

Please turn over



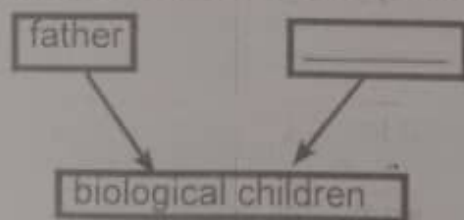
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The diagram below is of a type of teeth. Study and use it to answer question 28.



28. Give **one** role carried out by the type of tooth drawn above.
29. Mention **one** example of a communicable airborne disease.
30. State any **one** way of caring for garden tools after use.
31. As a member of the young farmer's club, state any **one** activity you can carry out in a school garden.
32. Name any **one** reason why immunisation is made free of charge.
33. Which soil layer has a lot of organic matter and soil organisms?
34. Why are babies grouped under vulnerable groups of people?
35. Give **one** good eating habit that can help to prevent choking in people.
36. Which property of air enables pumping pressure into an empty ball?
37. Complete the diagram below about the members of a nuclear family.



38. Write any **one** example of a PIASCY message.
39. What type of energy is possessed by fast flowing water in a river?
40. Give **one** way a P.5 child can avoid contracting diarrhoeal diseases at school.



48. a) Name any two foodstuffs that can help in the control of marasmus.

i) _____

ii) _____

b) Give any two signs of a child suffering from marasmus.

i) _____

ii) _____

49. a) Name the natural process through which rainfall is formed.

b) How is the sun useful in rain formation?

c) What type of clouds provides us with rain?

d) Name one item used to harvest rainwater.

50. a) Name the type of teeth used for:

i) biting food _____

ii) tearing flesh _____

b) Write any two ways of keeping the teeth healthy.

i) _____

ii) _____

51. List W has some disease vectors with the diseases they spread in list Z but in a wrong order. Match them in their correct order.

W: Disease vectors	Z: Diseases they spread
housefly	river blindness
rabid dog	cholera
ticks	relapsing fever
blackfly	rabies

i) housefly _____

ii) rabid dog _____

iii) ticks _____

iv) blackfly _____

52. a) Name any two examples of leguminous crops.

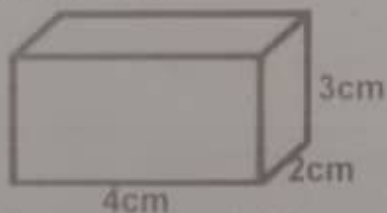
i) _____

ii) _____

b) What name is given to the bacteria found in the root nodules of leguminous crops?

c) State the importance of the bacteria found in the root nodules of legumes.

53. The diagram below shows a rectangular brick. Study and use it to answer the questions that follow.



a) Find the amount of space occupied by a rectangular brick above. (2 marks)

b) Why is the rectangular brick drawn above regarded as a regular object?

c) Name one other example of an object that can be grouped together with a rectangular brick.

54. Name the method used when separating the following mixtures:

i) beans and stones _____

ii) water and oil _____

iii) seeds from passion fruit juice _____

iv) salt dissolved in water _____

55. a) Name any two conditions necessary for rusting.

i) _____

ii) _____

b) Mention any two ways of preventing rusting of iron tools.

i) _____

ii) _____



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) Give any two uses of oxygen in the environment.

i) _____

ii) _____

b) Why can't oxygen be used to put out fire?

c) Apart from oxygen, name any other component of air.

42. a) In which one way can the following elements of PHC be promoted in a home?

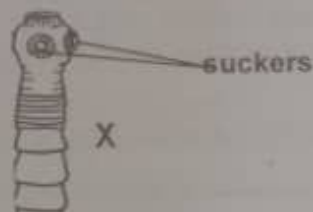
i) immunisation _____

ii) oral and dental health care _____

b) Mention one importance of immunising young children.

c) Write any one principle of PHC.

43. The diagrams below show some common organisms in the environment. Study and use them to answer the questions that follow.



a) Name organisms marked with letters D and X.

i) D _____

ii) X _____

b) How is organism marked with letter D useful in soil?

c) State the use of suckers to organism marked with letter X.

44. a) State the importance of each of the following practices at home:

(i) planting trees around the house _____

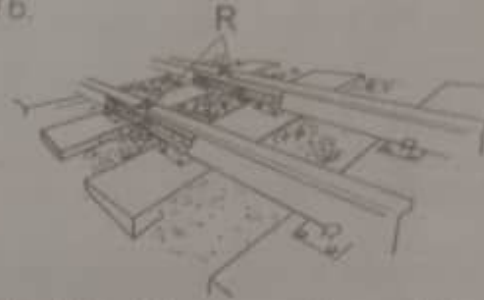
(ii) draining stagnant water in the compound _____

b) How is a rubbish pit useful at home?



13. Give **one** natural cause of changes in the environment.
14. Name **one** sheep product used for making woollen jackets.
15. Name **one** product made from beeswax.

The diagram below shows part of a railway line. Study and use it to answer question 16.



16. Why are gaps labelled R left between the rails?
17. Which element of weather helps farmers to remove husks from harvested cereals?
18. Give **one** condition that may lead to bottle feeding a baby in a home.
19. How is a tiger mosquito a threat to human health?
20. State **one** way of saving energy at home.
21. Apart from personal hygiene, name any other element of Primary Health Care.
22. Mention the main product got from Saanen goats and Toggenburg goats.
23. Give **one** example of a physical change involved in rain formation.
24. In which **one** way is heat useful to a blacksmith?
25. State **one** importance of food in the human body.
26. Give **one** root crop propagated by the stem cuttings.
27. Which rabbit product can be used in textile industries?



c) Besides a rubbish pit, name any other component of a clean home.

45. a) Name any two exotic milk breeds of goats

i) _____

ii) _____

b) Why do farmers spend more on treating exotic breeds of goats than local ones?

c) Which system of grazing goats is commonly used in rural areas?

46. a) Which human body organ filters blood in the body?

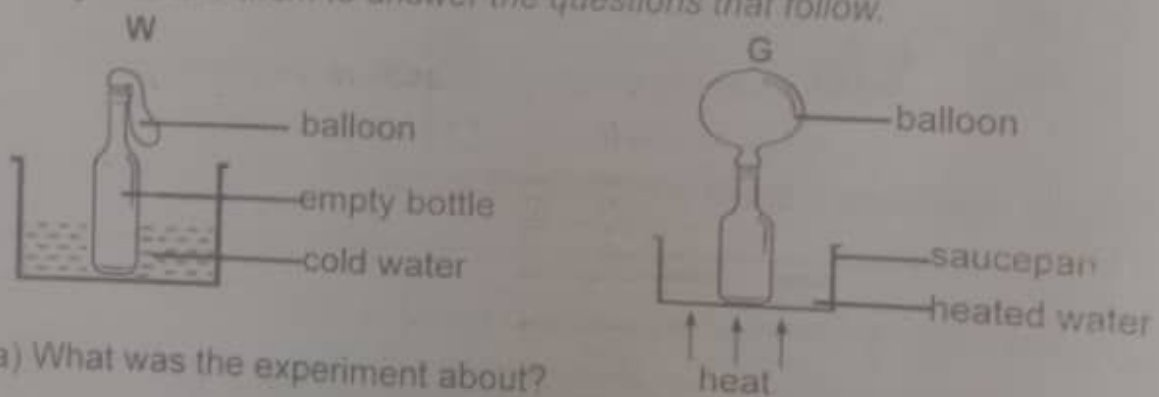
b) Give one other use of the human ear apart from hearing.

c) State any two ways of caring for the human body.

i) _____

ii) _____

47. The diagrams below show an experiment carried out by a P.5 class. Study and use them to answer the questions that follow.



a) What was the experiment about?

b) Why did the balloon expand in diagram G?

c) To which state of matter does air belong?

d) What do arrows represent in G?



27. Name the part of a thermos flask which prevents heat loss by conduction only.
-
28. Mention any **one** first aid given to a victim with nosebleeds.
-
29. State any **one** activity done to reduce houseflies in a school environment.
-
30. Name the drug of dependency which makes people drunk when taken excessively.
-
31. Which vector in the environment spreads rabies among people?
-
32. How is a cone of a pine plant similar to a pod of a soyabean plant in terms of function?
-
33. State any **one** danger of sharing sharp objects among children.
-
34. Mention **one** hygienic activity which controls the spread of fungal skin diseases.
-

The diagram below is of a type of fracture. Study and use it to answer questions 35 and 36.



35. Identify the type of fracture shown in the above diagram.
-
36. Give any **one** first aid for the above type of fracture.
-
37. Name the part of the ear used for body balance.
-
38. State **one** activity a school health club can do to control the spread of diarrhoeal diseases in the school.
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