

THE SIPRO END OF TERM II 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 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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Page 2		
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Page 6		
Page 7		
Total		

Please turn over



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SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Write any **one** item used by people during sunny weather.

2. What is the importance of a queen excluder in a modern beehive?

3. How does burning of rubbish control houseflies in the community?

4. State **one** activity done by farmers to control ecto parasites in rabbits.

5. Mention any **one** method used when preparing food at home.

6. What role is played by plants in the water cycle?

7. How is reproduction in bacteria different from that in most fungi?

The diagram below is of an item made from a local material. Study it carefully and use it to answer question 8.



8. From which plant material is the item above made?

9. State the importance of a sponge during bathing.

10. Name the part of a plant that absorbs water and mineral salts from the soil.

11. Why are parents encouraged to include protein foods in the diet for young children?

12. Give a reason why a mango plant is regarded as a perennial crop.

13. How does painting control rusting in metallic garden tools?

14. Name the basic units used in measuring weight.



6. Why should people boil drinking water in their homes?

5. Give **one** reason why a piece of chalk is regarded as matter.

7. Name the intestinal worms controlled by eating well cooked meat.

The diagram below shows a domestic bird. Study it carefully and answer question 18.



18. What does the process shown in the diagram above take?

19. Mention any **one** weapon used by cats for protection.

20. State **one** reason why mercury is used in clinical thermometers.

21. Why is it bad to use wet plant materials when mulching a garden?

22. Give the importance of a bandage when giving first aid to a person who has got a wound.

23. How are worker bees adapted to collecting pollen in our environment?

24. Write down any **one** non-living component of soil.

25. State **one** similarity between a burn and a scald as accidents.

26. Name the breathing organs for seedlings.

27. Apart from meat, give any **one** product got from goats.

The diagram below is of an activity done by people in promoting personal hygiene. Study it carefully and use it to answer question 28.



28. How does the activity done above help to control skin diseases among people?

29. Write down any **one** insect people can eat as food.

30. State the danger of throwing polythene bags to the soil.

31. Give **one** way diarrhoeal diseases can spread from infected people to healthy ones.

32. By which process does heat from the sun reach the earth?

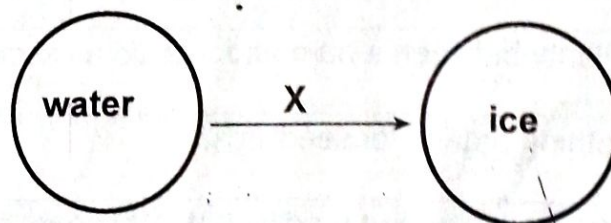
33. Mention any **one** animal that uses gills for breathing.

34. Which body organs enable pupils to see work on the chalkboard?

35. How does the behaviour of a feather differ from that of a stone when placed in water?

36. Why is the eggshell of a turkey's egg porous?

The diagram below is of a change in state of matter. Use it to answer question 37.



37. Identify the physical process indicated by letter X.

38. Why do houseflies lay eggs on rotting objects?

39. State a reason why a rabbit hutch should have a slanting floor.

40. Name the disease spread by a female anopheles mosquito.

SECTION B: 60 MARKS

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

41. a) What name is given to the moving air in the atmosphere?

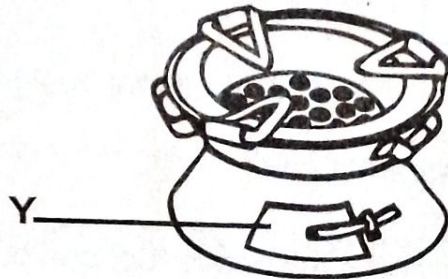
b) State **two** uses of moving air to people.

i) _____

ii) _____

c) Give **one** danger of moving air to a crop farmer.

42. The diagram below is of a common item found in most homes. Study and use it carefully to answer the questions that follow.



a) Name the type of soil from which the above item is made.

b) Mention **one** part on a house that has a similar function as part labelled Y.

c) Give the importance of the above item in our homes.

d) How does the item drawn above help to conserve the environment?

43. a) Mention **one** item people use to groom fingernails.

b) State **two** reasons why people groom fingernails.

i) _____

ii) _____

c) Give **one** disease controlled through regular grooming of fingernails.

44. a) Mention any **two** advantages of keeping exotic breeds of poultry.

i) _____

ii) _____

b) Write any **two** examples of exotic breeds of poultry.

i) _____

ii) _____

45. a) Write the meaning of the term rehydration.

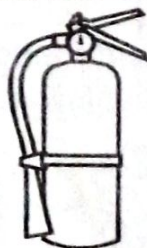
b) How can our bodies be rehydrated?

c) Write the **two** mineral salts regained through rehydration.

i) _____

ii) _____

46. The diagram below shows an item found in most schools. Study it carefully and answer the questions that follow.



a) Name the tool shown in the diagram above.

i) _____

b) Give any **two** important places where the above tool can be found apart from schools.

i) _____

ii) _____

c) Why can't oxygen be used in the tool above?

47. a) Write any **two** examples of PIASCY messages.

i) _____

ii) _____

b) Give **two** reasons why PIASCY messages are important to pupils.

i) _____

ii) _____

48. a) Name the **two** root systems of a plant.

i) _____

ii) _____

b) Which part of a seed embryo grows into a root system?

c) Mention the kind of roots that give extra support to a flowering monocotyledonous plant



9. a) Which part of an insect is used for:-

- i) laying eggs? _____
- ii) sucking blood? _____

b) State any **two** dangers of some insects to people.

- i) _____
- ii) _____

10. a) State the main purpose of keeping the domestic animals drawn below in our homes:



b) Give any **two** ways of caring for domestic animals.

- i) _____
- ii) _____

51. a) What name is given to the type of leaves with more than one leaflet on the stalk?

b) Name any **two** examples of the type of leaves named in 51 (a) above.

- i) _____
- ii) _____

c) Which process in leaves enables plants to feed?

52. Match the following changes in list A to their types in list B correctly.

List A

fruiting
change in seasons
rusting
condensation

List B

chemical change
physical change
biological change
natural change

- i) fruiting _____
- ii) change in seasons _____
- iii) rusting _____
- iv) condensation _____



53. a) Mention any **two** examples of natural fertilizers used by farmers.

i) _____

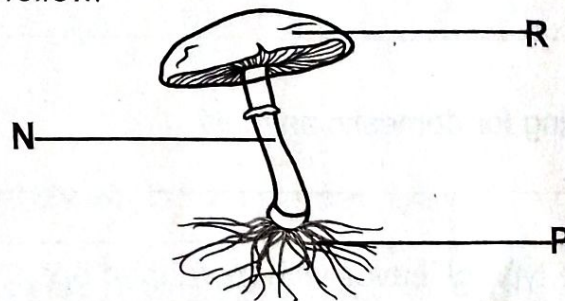
ii) _____

b) Give any **two** advantages of using natural fertilizers.

i) _____

ii) _____

54. The diagram below shows a certain fungus. Study it carefully and answer the questions that follow.



a) Name parts labelled N and R.

i) N _____ (ii) R _____

b) How is part marked with letter P important to the fungus above?

c) Mention any **one** food value got from eating the fungus above.

55. a) Name the garden tool used for harvesting rice.

b) Mention **two** ways of caring for harvested crops.

i) _____

ii) _____

c) In which season do farmers harvest ready crops?
