

THE SIPRO MID-TERM III EXAMINATION - 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 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		

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SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name any one weather instrument kept in a Stevenson screen.
2. In which way do dogs spread rabies to people?
3. Why is it not advisable to have potted plants in the house during the night?
4. Give one reason why a baby should be fed on breast milk.
5. State the importance of the urinary bladder in our bodies.
6. How are trees in our environment helpful in rain formation?
7. Name the gas needed by legumes to make proteins.
8. Give one example of chemical change in the environment.

The diagrams below show some components of the environment.
Study them carefully and use them to answer question 9.

X



Y



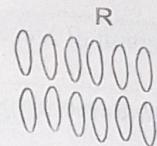
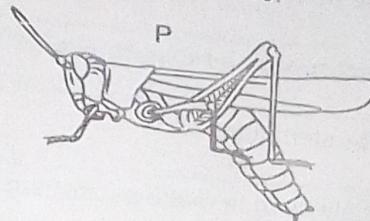
9. How is plant X useful to animal Y?
10. State one importance of painting metallic garden tools.
11. Which fuel is got when people burn wood under limited oxygen supply?
12. Name one component that makes soil fertile.
13. State one importance of a sponge to a P.4 pupil when bathing.
14. Give any one way of controlling digestive disorders.
15. How is germination in rice different from that in beans?



16. How is filtration method useful in our homes?

17. Name any **one** instrument used by shopkeepers to measure the mass of an item.

The diagrams below are of stages in the lifecycle of an insect. Study and use them to answer questions 18 and 19.



18. With the help of arrows, complete the lifecycle drawn above.

19. How is stage marked with letter P dangerous to crop farmers?

20. Mention **one** way of protecting rabbits from diseases.

21. Name **one** communicable disease that can affect our eyes.

22. Apart from getting meat, give any **one** other reason why people keep sheep.

23. Write any **one** activity done to control mites on a poultry farm.

24. Mention **one** way of controlling poisoning in a home.

25. Give **one** effect of having long fingernails to the health of an individual.

26. Mention any **one** importance of beeswax to people.

27. Why should a rabbit hutch be raised above the ground?



The diagram below is of a tool made from local materials. Study it carefully and use it to answer question 28.



28. State **one** way of caring for the above drawn item.

29. Mention **one** crop growing practice which reduces pests in a garden.

30. Why are coco yams regarded as stem tubers?

31. Name **one** metal that is commonly used to make saucepans and kettles.

32. Why is the handle of a poultry feeding trough made rotating?

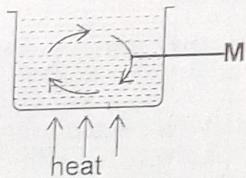
33. Mention the natural habitat of a crocodile.

34. Name the type of soil with the biggest soil spaces.

35. Give a reason why splints are put around a broken arm.

36. Write any **one** characteristic common to all insects.

The diagram below shows a process of heat transfer in matter. Study it to answer questions 37 and 38.



37. How is heat transferred within the liquid in the saucepan drawn above?

38. What do the arrows marked with letter M represent?

39. Mention the method used to separate a mixture of paraffin and water.

40. Name **one** property of air which enables a P.5 pupil to fill an empty ball with air.

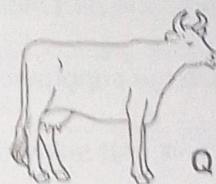


SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) Which two types of teeth have their enamel made of cusps and ridges?
i) _____
ii) _____
b) Mention any two disorders of teeth.
i) _____
ii) _____

42. The diagrams below are of different animals. Study and use them to answer the questions that follow.



- a) Give one difference between animals marked P and Q.

- b) Mention one way animal marked T protects itself from enemies.

- c) Name the habitat of;

- i) animal marked Q _____
ii) animal marked T _____

43. a) Give the meaning of the term air.

- b) What type of energy is possessed by wind?

- c) State any one use of each of the gases below to people;

- i) Nitrogen gas _____

- ii) Carbon dioxide gas _____

44. a) Name the fungus that helps in making alcohol locally.

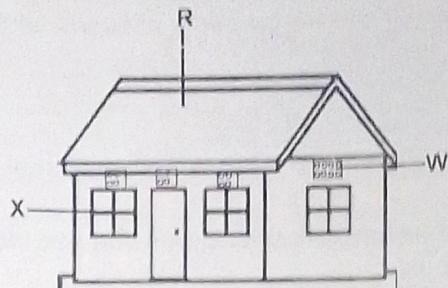
- b) How do fungi obtain their food in our environment?

- c) Name one example of useful fungi.

- d) Give any one way of controlling dangers caused by harmful fungi to the skin.



45. The diagram below shows a residential house. Study it carefully and use it to answer the questions that follow.



- a) Name the part marked with letter R.
- b) Give the importance of part marked W on a residential house.
- c) Why is part marked with letter W put above part marked X?
- d) Give one way of keeping a residential house clean.

46. a) How is bee rearing important to a crop farmer?
- b) State the type of bees that:-
- i) lays eggs _____
- ii) repairs the hive _____
- c) How does bee keeping help in the prevention of marasmus at home?

47. a) Name one example of a natural fertilizer used by crop farmers.
- b) Why do crop farmers apply fertilizers in their gardens?
- c) Write any two methods used in applying fertilizers in a garden.
- i) _____
- ii) _____

48. a) Why are tsetse flies regarded as vectors?
- b) Apart from tsetse flies, name any other two common vectors that spread germs in the same way.
- i) _____
- ii) _____
- c) Which body part enables a tsetse fly to suck blood from animals?



49. Match the parts of the body in list B to their uses in list C

List B: parts of the body	List C: Their uses
neck	hold objects
ears	keeps the body warm.
fingers	supports and rotates the head.
hair	balance the body

i) neck

ii) ears

iii) fingers

iv) hair

50. a) Mention any two examples of diarrhoeal diseases.

i)

ii)

b) Give any one danger of diarrhoeal diseases to human health.

c) How can the spread of diarrhoeal diseases be reduced in the community?

51. The diagram below shows a child suffering from a deficiency disease.

Study it carefully and answer the questions that follow.



a) Identify the deficiency disease shown in the above diagram.

b) Give one reason why the child in the diagram above should be put in the morning sunshine.

c) Besides the one illustrated above, write other two examples of deficiency diseases.

i)

ii)



52. a) Where does filtration of blood take place in our bodies?

b) Apart from body organs for blood filtration, name two other internal body organs.

i)

ii)

c) Give one way of controlling diseases without using drugs.

53. a) How are the tuber crops given below planted?

i) carrots

ii) cassava

b) Mention any two reasons for weeding a tuber crop garden.

i)

ii)

54. a) What does letter 'Y' stand for in the word PIASCY?

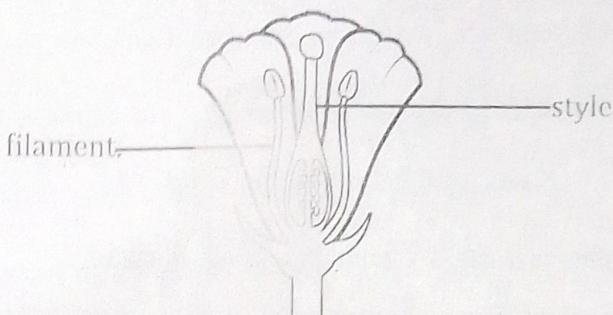
b) Mention any one example of PIASCY messages.

c) State two importance of PIASCY messages to a P.5 pupil.

i)

ii)

55. The diagram below is of a flower. Study it carefully and answer the questions that follow.



a) Which type of pollination is most likely to take place on the flower above?

b) Give a reason to support your answer in (a) above.

c) State any two characteristics of wind pollinated flowers.

i)

ii)



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