

THE SIPRO MID - 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

PAGES	MARKS	INITIALS
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Total		

Please turn over



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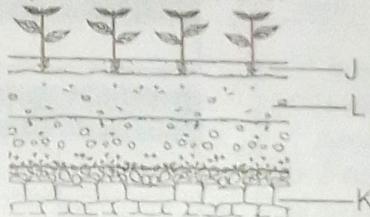


SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

1. Mention one way an adult person can acquire natural immunity.
2. Name the container used to measure the amount of displaced water when finding the volume of a key.
3. Give the importance of testing the HIV status of an expectant mother during maternal and child health care.
4. How is a hard testa useful to tomato seeds during animal dispersal?
5. Name the part of a flowering plant that enables growth of the shoot and increase in height.
6. Mention any one method used in preserving milk.

The diagram below shows arrangement of soil layers. Study and use it to answer questions 7 and 8.

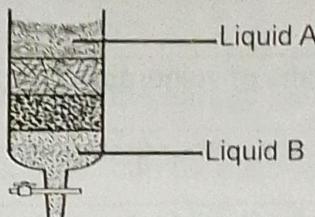


7. Name the soil layer marked with letter L.
8. Why is soil layer marked J suitable for crop growing?
9. Name the class of food whose chemical digestion begins in the mouth.
10. Which characteristic enables perching birds rest on tree branches?
11. Name any one item used to harvest solar energy from the sun.
12. Write the disease that makes cattle limp with smelling pus coming from hooves.



13. Name any **one** common plant that stores food in its stem.
14. Give any **one** danger of intestinal worms to young children.
15. Why should metallic garden tools be kept in a dry place after use?

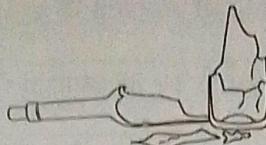
The diagram below shows a method of separating mixtures.
Study it carefully and use it to answer questions 16 and 17.



16. Name the method of separating mixtures shown in the diagram above.
17. Mention **one** example of a mixture that can be separated using the method drawn above.
18. How can people ensure that more rainfall is received in a given area?
19. In which way is the propagation of carrots similar to that of cabbages?
20. Why should the hole of an ordinary pit latrine be covered with a lid?
21. Why are children advised to trim overgrown hair?
22. State the main reason why livestock farmers keep Saanen and Toggenburg goats.
23. Name the type of smoking done by children whose father smokes cigarettes inside the house at home.
24. Give the importance of wind to a crop farmer after harvesting his ready beans.
25. When can a mother know that one of her children is suffering from kwashiorkor?



The diagram below is of a dangerous object in our environment.
Study and use it to answer question 26.



26. How is the object drawn above dangerous to people's health in a home?

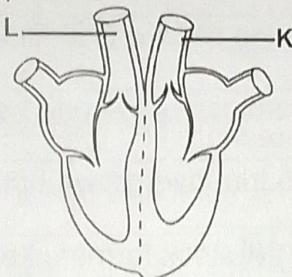
27. Give any **one** characteristic of vulnerable people.

28. Write any **one** condition of weather that causes coldness.

29. Give any **one** example of a fossil fuel.

30. Apart from a loop elastrator, name any **one** other farm tool used to carry out closed castration on a cattle farm.

The diagram below is of a human heart. Study it carefully and use it to answer questions 31 and 32.



31. How is the artery marked with letter L different from that marked with letter K in terms of function?

32. Use an arrow and letter R to indicate the part that prevents the mixture of oxygenated and deoxygenated blood in the heart.

33. Which type of change occurs when organic matter decomposes to form humus?

34. How is a slasher useful in the control of malaria?

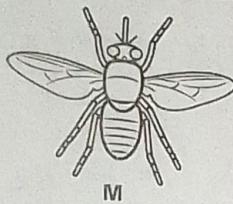


35. Name the type of teeth with a sharp and chisel shaped enamel.
36. Which body sense enables a P.6 child to tell that work has been written on the chalkboard?
37. Mention **one** poultry product which is a source of proteins when eaten.
38. How does poor disposal of faeces lead to increased houseflies in an area?
39. Which form of energy enables the ears to carry out their function?
40. State any **one** way alcoholism can be controlled among the youths.

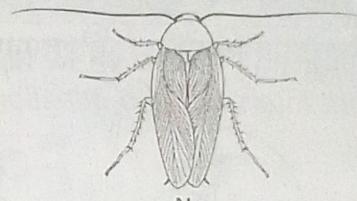
SECTION B : 60 MARKS

Questions 41 to 55 carry four marks each.

41. The diagrams below are of insect vectors. Study and use them to answer the questions that follow.



M



N

- (a) Identify the insect vector represented by each of the letters;
- (i) M _____
- (ii) N _____
- (b) Name any **one** non - diarrhoeal disease that is spread by each of the vectors shown above;
- (i) M _____ (ii) N _____
42. a) Give any **two** examples of useful bacteria in our environment.
- (i) _____
- (ii) _____
- (b) State the role of useful bacteria in the following activities:
- (i) soil formation _____
- (ii) making ghee and yoghurt _____
43. a) Write any **two** signs of poor personal hygiene in school children.
- (i) _____
- (ii) _____



(b) Mention any **two** activities done by an individual to promote personal hygiene.

- (i) _____
(ii) _____

44. a) Write any **one** example of a tuber crop pest.

(b) State any **two** effects of pests to tuber crops.

- (i) _____
(ii) _____

(c) Mention **one** method used to control rodents as tuber crop pests.

45. a) State the major way through which each of the intestinal worms below enters our bodies:

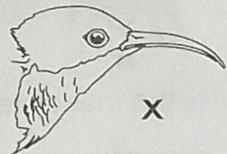
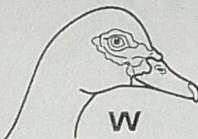
(i) tapeworms _____

(ii) hookworms _____

(b) In which way do hookworms lead to anaemia among children?

(c) Give **one** way hookworm infestation can be controlled in a home.

46. The diagrams below show beaks of different birds. Study and use them to answer the questions that follow.



(a) Which group of birds has the nature of the beaks represented by letters W and X?

- (i) W _____
(ii) X _____

(b) Name **one** example of food eaten by birds with beak marked with letters W and X.

- (i) W _____
(ii) X _____

47. a) Give the meaning of the term soil erosion.

(b) State any **one** effect of soil erosion in a garden.



(c) Write any two ways a crop farmer who cultivates a hilly area can control soil erosion.

- (i) _____
(ii) _____

48. a) Which physical change enables the change of state from:

- (i) gas to liquid?
(ii) solid to liquid?

(b) Give two ways people benefit from physical changes in the environment.

- (i) _____
(ii) _____

49. a) Write any two ways through which people obtain food.

- (i) _____
(ii) _____

(b) In which two ways can people in a family keep food longer without going bad?

- (i) _____
(ii) _____

50. The diagram below shows a step involved in cleaning clothes.

Study it carefully and use it to answer the questions that follow.



(a) Name the step of cleaning clothes drawn above.

(b) Give the importance of the step drawn above in cleaning clothes.

(c) Which step comes before the one drawn above when cleaning clothes?

(d) Name one detergent used by people in the cleaning of clothes.

51. a) State the difference between convection and conduction as methods of heat transfer.



- (b) Give **one** importance of the following methods of heat transfer in our daily life;
- (i) convection _____
(ii) conduction _____
- (c) How does heat from the sun reach harvested seeds displayed in the compound?

52. Match the accidents in list A to their first aid in list B.

List A

cuts
fainting
nosebleeds
scalds

- (i) cuts : _____
(ii) fainting : _____
(iii) nosebleeds : _____
(iv) scalds : _____

List B

- pinching the soft part of the nose
- raising the legs slightly above the head level
- pouring plenty of cold water on the injured part
- washing the injured part with clean water

53. a) State any two reasons why people rear sheep.

- (i) _____
(ii) _____

(b) Why should a pregnant ewe be steamed up?

(c) State the name given to the first milk produced by a ewe shortly after lambing.

54. a) Write any two things that happen to inhaled air in the nose.

- (i) _____ (ii) _____

(b) State two adaptations of the air sacs to their function of gaseous exchange.

- (i) _____
(ii) _____

55. a) Which type of alcohol is highly dangerous to human health?

(b) Write any two uses of alcohol to people.

- (i) _____
(ii) _____

(c) Give one life skill that enables the youth overcome alcoholism as a habit.

