

THE SIPRO END OF TERM I 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 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



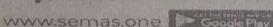
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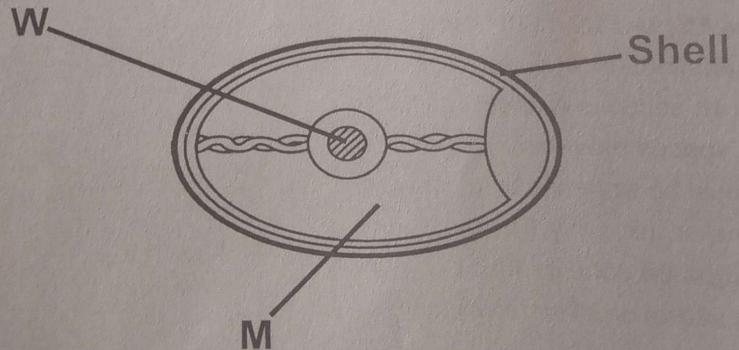
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SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Give any **one** reason why people keep chicken.
2. Which accident does a mother get when a hot saucepan gets in contact with her skin?
3. Name the product of bees used for making medical syrups.
4. Write any **one** danger of insects in the environment.
5. What term describes objects with no definite shape?
6. Apart from lice, mention **one** other external parasite that attacks rabbits.
7. Give **one** danger of poor feeding to infants.
8. Write any **one** cause of accidents to children on their way to school.

The diagram below shows an egg. Study and use it to answer questions 9 and 10.

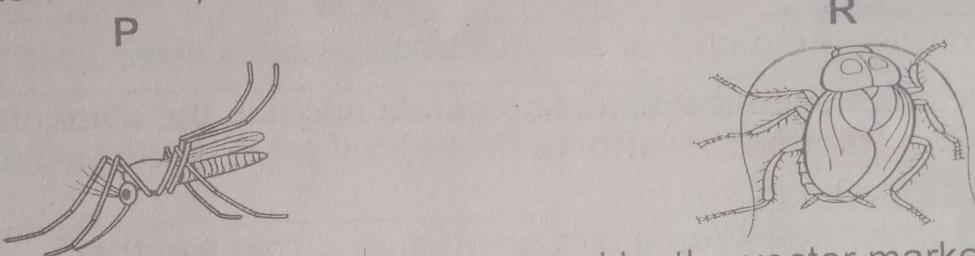


9. Name the part marked with letter **W**.
10. Mention the main food value got from eating part **M** of an egg shown above.
11. Give **one** reason for covering food when cooking.
12. What type of weather is good for drying harvested crops?



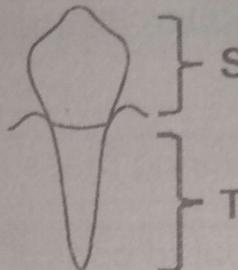
13. Apart from the Eureka, name **one** other container used when finding volume of irregular objects.
-
14. How does poor sanitation lead to diarrhoeal diseases?
-
15. Mention the method of extracting honey that involves heat energy.
-
16. Name **one** childhood immunisable disease immunised against shortly after the baby is born.
-
17. State the basic units for measuring mass.
-
18. Mention **one** activity carried out to control weeds in the garden.
-
19. On which part of a housefly are feelers found?
-

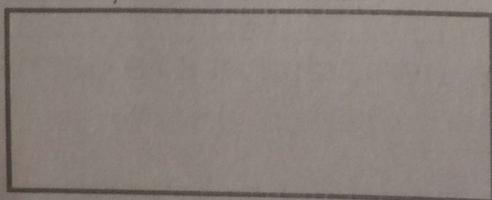
The diagrams below show common vectors. Study and use them to answer questions 20 and 21.



20. Name the immunisable disease spread by the vector marked with letter **R**.
-
21. How is vector marked with letter **P** different from vector marked with letter **R** in the way they spread germs?
-
22. In which way does mulching lead to pests in a garden?
-
23. Mention the component of loam that is rich in plant nutrients.
-
24. Which part of a plant grows into a new branch?
-
25. Name the substance in the stomach that kills germs that escape with food.
-



6. State **one** condition needed for plants to make starch.
7. Name **one** foodstuff that helps in the control of marasmus among children.
- The diagram below shows a human tooth. Study and use it to answer questions 28 and 29.
- 
28. Name the region of the tooth marked with letter **S**.
29. How is the region marked with letter **T** useful to a tooth?
30. State the component of air that occupies the least percentage in the atmosphere.
31. Where does chemical digestion of fats begin in the alimentary canal?
32. Which structures keep a bird warm during cold weather?
33. What does letter "D" stand for in the abbreviation "AIDS"?
34. Give any **one** example of a flowering plant with only one cotyledon in its seeds.
35. Name the human body organ used for smelling.
36. Apart from plants, give **one** other living component of the environment.
37. In the space below, draw a rake.



38. Name the type of soil used for pottery.

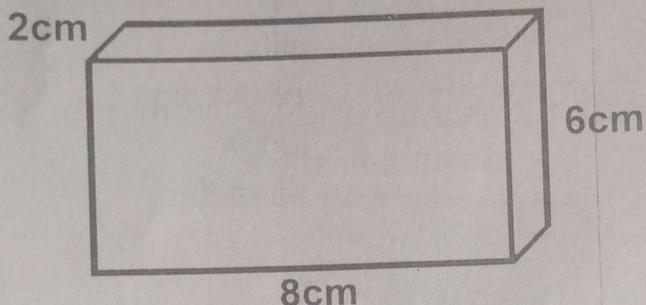
39. Why is it advisable to cover your mouth when coughing?

40. Mention **one** modern method of food preservation.

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

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



(a) Why is a brick called a regular object?

(b) Calculate the volume of the brick shown above. (3 marks)

42(a) Name **two** examples of insects that have a nymph in their lifecycle.

(i) _____

(ii) _____

(b) What is the dormant stage in the lifecycle with a nymph?

(c) Give **one** way of controlling the breeding of insects at home.

43(a) State the meaning of the term pollination.

(b) Which type of pollination takes place in pawpaw plants?

(c) Name **one** non-living thing which pollinates flowers.

(d) What happens in a flower when the stigma receives pollen?

44. Match animals in *list P* with their breathing organs in *list Q* correctly.

P

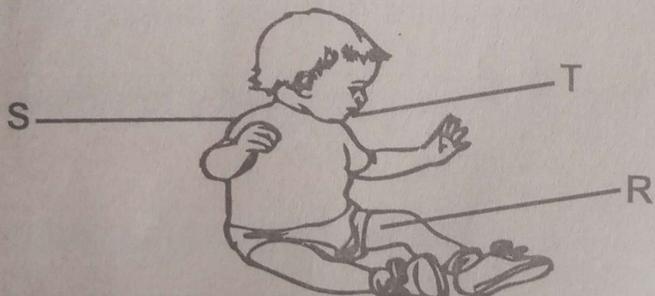
- cow
- grasshopper
- fish
- spider

Q

- gills
- booklungs
- lungs
- spiracles

- i) cow _____
- ii) grasshopper _____
- iii) fish _____
- iv) spider _____

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



(a) Name **one** vaccine administered to the baby through:

- (i) S _____
- (ii) T _____
- (iii) R _____

(b) State the mode of vaccine administration applied at part marked T.



46(a) Give the meaning of the following terms as used in apiculture:

(i) swarming _____

(ii) apiary _____

(b) State **two** reasons why bees may leave one hive to another.

(i) _____

(ii) _____

47(a) Name the intestinal worms that lead to the following conditions:

(i) malnutrition _____

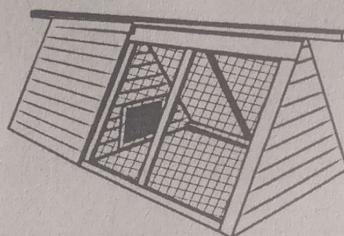
(ii) anaemia _____

(b) Apart from deworming, mention **two** other ways of controlling the effects of intestinal worms.

(i) _____

(ii) _____

48. The diagram below shows a structure for keeping rabbits. Study and use it to answer the questions that follow.



(a) Name the structure shown above.

(b) Mention any **two** materials that are used when constructing the structure above.

(i) _____

(ii) _____

(c) Why should the structure drawn above always be raised above the ground?

49(a) Give any **two** examples of dangerous objects in the compound.

(i) _____

(ii) _____

(b) Write any **two** accidents caused by dangerous objects in the compound.

(i) _____

(ii) _____

50(a) Which component of air makes up the following percentages?

(i) 0.97% _____

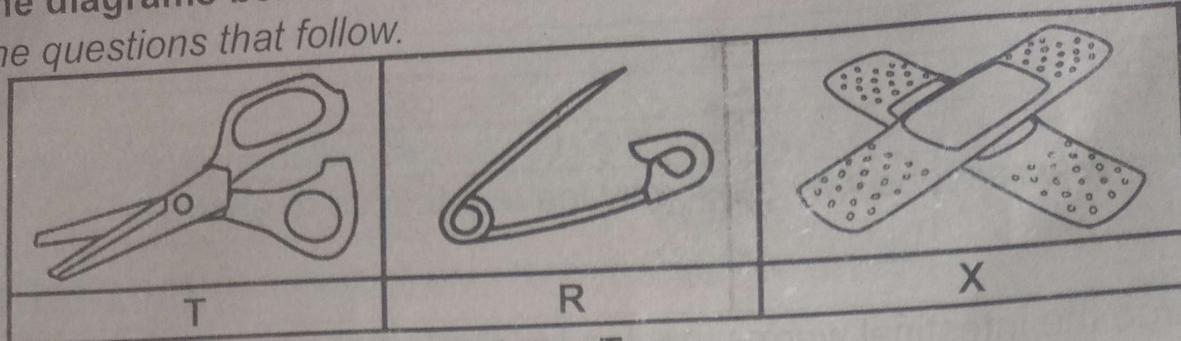
(ii) 78% _____

(b) Give any **two** ways air is useful to people.

(i) _____

(ii) _____





- (a) Name the item marked with letter T.
- (b) State the importance of item marked with letter R to a first aider.
- (c) Name one accident which requires the use of item X when giving first aid.
- (d) Apart from the ones drawn above, write any one other item used when giving first aid.

52(a) Give one example of a seed that undergoes each of the following;

(i) Hypogea germination _____

(ii) Epigeal germination _____

(b) Write two conditions needed for germination to take place.

(i) _____

(ii) _____

53(a) Give two uses of food in the human body.

(i) _____

(ii) _____

(b) Write two dangers of eating contaminated food.

(i) _____

(ii) _____

54. Study the table below about digestion and fill in the blank spaces correctly.

Part	Juice	Enzyme
Mouth	_____	Salivary amylase
_____	Gastric juice	_____
Pancreas	_____	Lipase and Amylase

55(a) What term refers to the keeping of the body clean?

(b) Mention any two materials used to keep the body clean.

(i) _____

(ii) _____

(c) Give one danger of failure to bathe regularly.