

# THE SIPRO BEGINNING OF TERM III EXAMINATIONS 2022

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		
Page 8		
Page 9		
Total		

Please turn over



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**SECTION A: 40 MARKS**

*Questions 1 to 40 carry one mark each*

1. Mention any **one** raw material plants use during photosynthesis.  
\_\_\_\_\_
2. Name **one** vector which spreads germs using its hairy body.  
\_\_\_\_\_
3. Which part of a banana plant do P.5 pupils use for making ropes and dolls?  
\_\_\_\_\_
4. State any **one** role of the tongue during digestion of food in the mouth.  
\_\_\_\_\_

The diagram below is a type of leaf. Study and use it to answer questions 5 and 6.



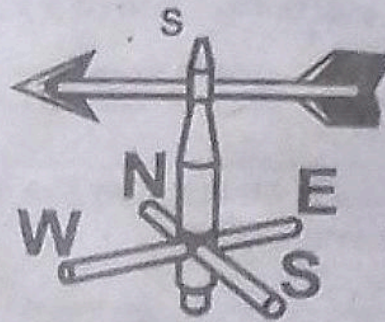
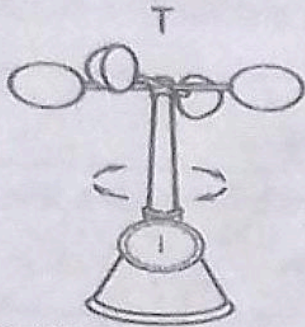
5. Name the type of compound leaf shown in the diagram above.  
\_\_\_\_\_
6. Which leaf venation is presented in the leaf shown in the diagram above?  
\_\_\_\_\_
7. Give **one** way of controlling soil erosion in a home compound.  
\_\_\_\_\_
8. Name the product of bees that is useful to a candle manufacturing factory.  
\_\_\_\_\_
9. Mention any **one** sign of worm infestation in infants.  
\_\_\_\_\_
10. Which type of teeth plays a similar role as the kitchen knife?  
\_\_\_\_\_
11. Give **one** way cats are useful to root crop farmers in the garden.  
\_\_\_\_\_
12. Name the component of air that supports both germination and burning  
\_\_\_\_\_
13. Why is it advisable to cover the mouth when coughing in a public place?  
\_\_\_\_\_
14. Give **one** foodstuff parents should give their children in order to protect them against kwashiorkor.  
\_\_\_\_\_



15. Give one way vaccines are introduced into the body of a baby.

16. Name the part of a cassava plant commonly eaten by people.

The diagrams below are of weather instruments. Study and use them to answer questions 17 and 18.



17. Name the weather instrument marked T.

18. State the use of instrument S at a weather station.

19. Which part of a cabbage plant do we eat?

20. How are brightly coloured petals useful during pollination?

21. Give any one way of harvesting rain water.

22. Name the health condition caused by severe diarrhoea and severe vomiting.

23. How do plants help in the formation of rain?

24. Give one characteristic of local breeds of chicken.

25. Name the tiny holes in leaves which absorb carbon dioxide during photosynthesis.

26. How is the role of the skin different from that of the eyes on the human body?



27. Mention any **one** natural change caused as a result of uncontrolled deforestation.

28. Which disease of rabbits causes itching and wounds on ears?

29. State any **one** danger of eating food while talking.

30. Why is the volume of a key measured using the displacement method?

31. Mention **one** danger of having long fingernails.

32. Give the reason why the root system develops first during seed germination.

The diagram below is of a common first aid item. Study and use it to answer questions 33 and 34.



33. Name the first aid item shown above.

34. Give any **one** use of the above item when giving first aid to a casualty.

35. Name **one** domestic animal used for transport.

36. Give **one** example of a structure used to store harvested cereals.

37. Why is it necessary to wash hands after eating food?

38. Give **one** way of controlling rusting in metallic garden tools.

39. State the role of nitrogen fixing bacteria to soil.

40. Name **one** item used for washing eyes.



SECTION B: 60 MARKS

Questions 41 to 44 carry **four** marks each

41. (a) Mention any **two** signs of poor feeding in infants.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Which class of food performs the following roles in the body?

(i) food performs the following roles in the body

(ii) helps in formation of strong bones and teeth

42. (a) Mention the **two** containers used for measuring the volume of a stone.

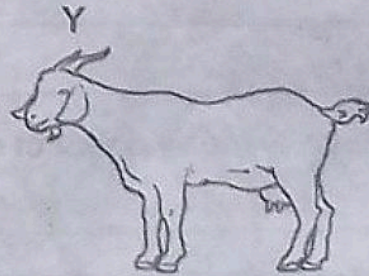
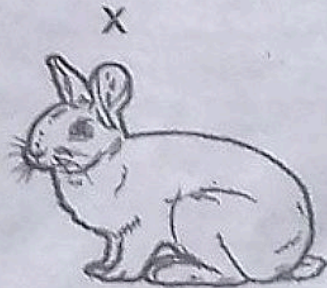
(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Why does a stone sink when dropped in water?

(c) State the standard units used when measuring and recording mass.

43. The diagrams below are of two domestic animals. Study and use them to answer the questions that follow.



(a) What name is given to the young one of domestic animal Y?

(b) Give **one** reason why a school child may prefer rearing animal X to animal Y.

(c) Give **two** ways of caring for the above animals.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_



52. (a) Name any two systems of keeping poultry.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Mention one example of a poultry vice caused by poor feeding among poultry.

(c) Give one way farmers are able to control vices in their poultry.

53. (a) Mention any two examples of PIASCY messages.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) State any two diseases that can be controlled using PIASCY messages.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

54. Match the body organs below to their functions correctly.

**List A**

urinary bladder

kidney

skin

stomach

**List B**

filters blood

stores food for some time

stores urine for some time

for feeling

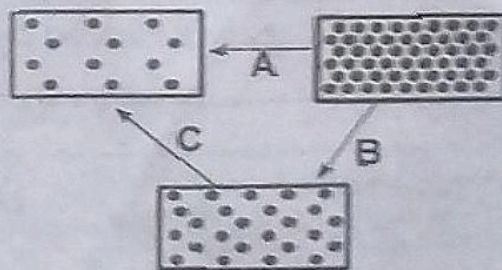
i) urinary bladder \_\_\_\_\_

ii) kidney \_\_\_\_\_

iii) skin \_\_\_\_\_

iv) stomach \_\_\_\_\_

55. The diagram below shows changes in states of matter. Study and use it to answer the questions that follow.



(a) Name the change of state shown by letters.

(i) A \_\_\_\_\_ (ii) B \_\_\_\_\_

(b) Which form of energy is needed for change of state marked with letter B to take place?

(c) Apart from change in state, mention one other effect of heat on matter.

