

# THE SIPRO BEGINNING 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** 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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### SECTION A: 40 MARKS

Questions 1 to 40 carry **one** mark each.

1. Write any **one** use of plant leaves to people.  
\_\_\_\_\_
2. Why should a rabbit hutch be raised above the ground?  
\_\_\_\_\_
3. Give a reason why doctors put on gloves when treating patients.  
\_\_\_\_\_
4. Name the type of soil with the lowest drainage.  
\_\_\_\_\_
5. State the reason why shearing is commonly done during the dry season.  
\_\_\_\_\_

The diagram below shows a nurse administering a vaccine. Study it carefully and use it to answer question 6.



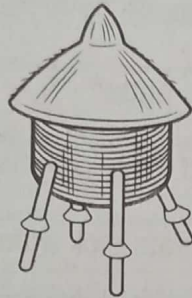
6. Which vaccine is administered on the body part shown in the diagram above.  
\_\_\_\_\_
7. Why is it a good practice to groom fingernails regularly?  
\_\_\_\_\_
8. Name the method used in finding volume of objects with an improper shape.  
\_\_\_\_\_
9. Which requirement of photosynthesis breaks water into Hydrogen and Oxygen atoms?  
\_\_\_\_\_
10. State **one** activity children can do to keep the latrine clean at home.  
\_\_\_\_\_
11. In which way is stagnant water dangerous in a home compound?  
\_\_\_\_\_
12. Which part of a maize grain plays a similar role as the cotyledon in a bean seed?  
\_\_\_\_\_
13. Give any **one** sign of poor feeding among babies.  
\_\_\_\_\_  
\_\_\_\_\_





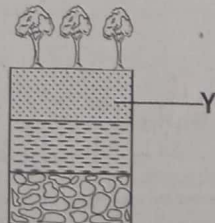
14. How can people save electricity in their homes? \_\_\_\_\_
15. Name the female sterile bee in a beehive. \_\_\_\_\_
16. State **one** way of ensuring growth of strong teeth. \_\_\_\_\_
17. Why are we advised to wear shoes as we move from one place to another? \_\_\_\_\_

The diagram below shows a storage facility for harvested grains. Use it to answer question 18.



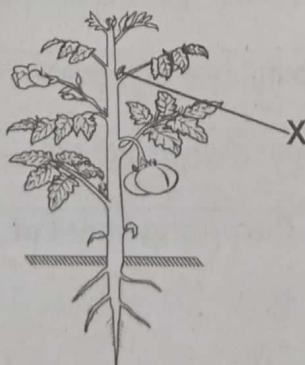
18. State the reason why rats are not common in such a storage facility above. \_\_\_\_\_
19. How are houseflies able to spread germs to people? \_\_\_\_\_
20. Mention **one** crop growing practice done in a dry season. \_\_\_\_\_
21. Write **one** danger of staying in a dirty environment. \_\_\_\_\_
22. Give **one** importance of fins to a fish. \_\_\_\_\_
23. Which accident does one get when hot milk accidentally pours on the body? \_\_\_\_\_
24. What name is given to the young one of a goat? \_\_\_\_\_
25. Write the main product got from a white leghorn. \_\_\_\_\_

The diagram below shows the arrangement of soil layers. Use it to answer question 26.



26. State **one** way of improving the fertility of soil layer marked with letter Y.
27. Give **one** importance of weeding a cabbage garden.
28. Write down any **one** form of food eaten by people.
29. Name the body organ that enables a Primary Five child to remember what she was taught in class.
30. Why are honey bees regarded as social insects?
31. How can the spread of worms through fruits be controlled among children?
32. Why do some poultry birds lay soft-shelled eggs?
33. How does sun drying fish enable them last for a long time?
34. State **one** reason why it is important to isolate sick animals on a farm.
35. Name the part of air that favours rusting of metallic tools.
36. Give any **one** danger of using firewood for cooking at home.
37. How is the HIV germ very dangerous to human health?
38. Name the main product obtained from keeping merino sheep.

The diagram below is of a plant. Study it carefully and use it to answer question 39.



39. How is part marked with letter X useful to a plant?



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40. Mention any **one** material people use to keep their bodies clean.

**SECTION B: 60 MARKS**

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

41. a) State the meaning of the term pruning.

b) Give any **two** reasons farmers give for pruning their coffee plants.

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

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

c) Mention the garden tool farmers use when pruning.

42. a) State any **two** reasons why people keep honey bees.

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

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

b) Write any **one** material needed by worker bees to make honey.

c) Mention **one** method of extracting honey from honey combs.

43. a) Name any **two** crops that grow well in swampy areas.

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

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

b) Write any **two** materials made from plant fibres.

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

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

44. The diagrams below are of certain animals. Study them carefully and answer the questions that follow.

**K**



**P**



a) How does each of the animals in the diagram above move from one place to another?

i) **K** \_\_\_\_\_

ii) **P** \_\_\_\_\_

b) State **one** importance of animal **K** to people.



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c) Why do animals move from one place to another?

45. a) Name any **two** instruments used when finding the volume of a broken glass.

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

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

b) Apart from broken glass, name **two** other objects whose volume is found in the same way.

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

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

46. a) Which diseases in rabbits have the following signs and symptoms?

i) passing out yellowish diarrhoea \_\_\_\_\_

ii) itching ears \_\_\_\_\_

b) Give any **one** effect of diseases to rabbits.

c) State any **one** way of controlling diseases among rabbits.

47. a) Why should we wash hands before touching any food?

b) Name any **one** foodstuff preserved by:-

i) sun drying \_\_\_\_\_

ii) refrigeration \_\_\_\_\_

c) State **one** danger of poor feeding among young children.

48. The diagram below shows a system of rearing poultry. Study it carefully and answer the questions that follow.



a) Identify the system of rearing poultry shown above in the diagram.

b) How is the system above unfriendly to crop farmers?

c) Apart from the one drawn above, mention any other **two** systems used in rearing chickens.

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

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



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49. a) Mention any **two** items made out of clay.

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

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

b) State any **two** ways of making clay materials strong.

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

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

50. a) Name the first type of teeth to grow in a baby.

\_\_\_\_\_

b) Give any **two** diseases that affect our teeth.

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

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

c) State any **one** importance of brushing our teeth after a meal.

\_\_\_\_\_

51. a) Write any **two** examples of common accidents in our homes.

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

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

b) How do first aiders use the items given below as they administer first aid?

i) cotton wool \_\_\_\_\_

ii) a pair of scissors \_\_\_\_\_

52. a) Draw these elements of weather.

|         |                 |
|---------|-----------------|
|         |                 |
| i) wind | ii) cloud cover |

b) State any **two** importance of a weather forecast to people.

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

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



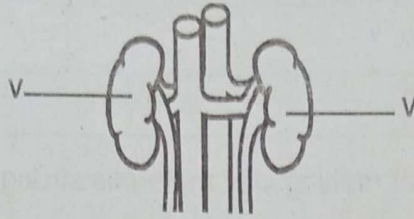
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53. The diagram below shows body organs. Study it carefully and answer the questions that follow.



a) Name the body organs marked **V** in the diagram above.

b) How are the organs marked **V** in the diagram above useful in our bodies?

c) Give any **two** ways of caring for the organs marked **V** above in the diagram.

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

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

54. a) Which garden tools do farmers use to:-

i) dig in rocky areas? \_\_\_\_\_

ii) measure the length of a garden? \_\_\_\_\_

b) Give any **two** dangers of rusting to garden tools.

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

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

55. Match these animals to their weapons.

**Animals**

**Weapons**

snake

fins

wasps

prickly hair

fish

fangs

caterpillars

stinger

i) snake \_\_\_\_\_

ii) wasps \_\_\_\_\_

iii) fish \_\_\_\_\_

iv) caterpillars \_\_\_\_\_



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