

THE SIPRO BEGINNING OF TERM II 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 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
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. Name any **one** item a P.6 child can use to clean a classroom.

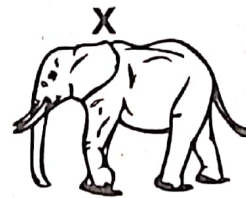
2. State any **one** reason why farmers crossbreed their local breeds of poultry.

3. How is the sun useful to a crop farmer?

4. Name any **one** warm blooded animal that uses water as its natural habitat.

5. How is malaria similar to yellow fever in the way they are spread among people?

The diagrams below show two organisms in the environment. Study and use them to answer questions 6 and 7.



6. Name any **one** thing organism X gets from organism Y.

7. In which **one** way does organism Y benefit from organism X?

8. Apart from the stone, name **one** other object whose volume is measured using the displacement method.

9. Which chemical change in metals is controlled by painting wheelbarrows?

10. How is a six's thermometer useful at a weather station?

11. Name the disease of the heart caused by excessive tobacco smoking.

12. A child had bow-shaped legs and weak limbs. Which vitamin was lacking in the child's body?

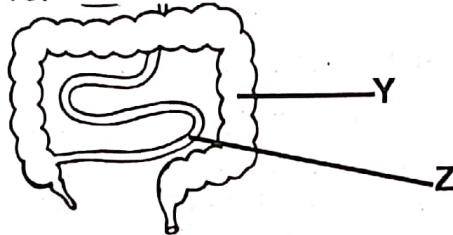
13. How is BCG vaccine similar to measles vaccine in the way they are administered into a baby's body?

14. Name the method where chemicals are used to make drinking water safe.



15. State any **one** danger of taking overdose among sick people.
16. Mention any **one** method of food preservation which does not involve the use of heat.
17. Give any **one** activity done in the community to control floods.

The diagram below shows part of the digestive system. Study and use it to answer questions 18 and 19.

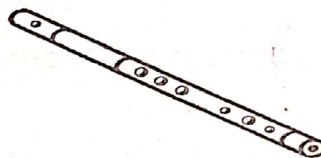
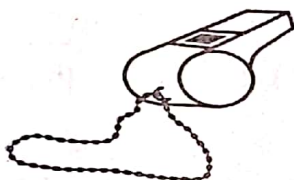


18. Name the part labelled with letter Z.
19. Mention any **one** food substance absorbed through part Y in the alimentary canal.
20. Name the part of a fish which works in the same way as the human ear.
21. Why is it necessary to tie splints around a fractured limb?
22. Name the component of soil which enables organisms to breathe.
23. Give any **one** way nimbus clouds promote the crop growing project in the environment.
24. How does regular brushing of teeth prevent dental caries?
25. State the main role played by red blood cells in the human body.
26. Give **one** way poor disposal of rubbish increases the number of vectors in a home.
27. Name the goat product used for making leather shoes.
28. State **one** advantage of wearing clean clothes.

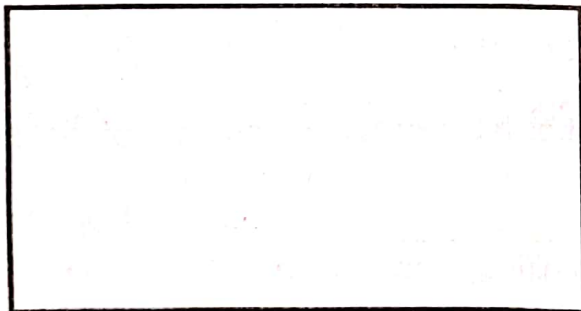


29. How does untreated diarrhoea lead to death of weaning babies?
30. Give **one** way of controlling worm infestation among the school going children.
31. Which type of fertilizers maintains the soil structure?
32. Mention **one** example of a stem tuber.
33. Why should water from open sources be boiled before drinking it?
34. How is the body structure of a housefly different from that of a tick?

The diagrams below are of common musical instruments. Study and use them to answer questions 35 and 36.



35. Identify the group of musical instruments represented by the diagrams above.
36. How do the above instruments produce sound?
37. State the way nitrogen fixing bacteria help to improve soil fertility.
38. Mention any **one** problem a farmer who doesn't keep records may face on a rabbit farm.
39. In the space provided below, draw a diagram to show that air exerts pressure.



40. How does excessive drinking of alcohol affect the community?



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) Mention any **two** examples biological changes that occur in people.

i) _____

ii) _____

b) State any **two** examples of people made changes that are dangerous to the environment.

i) _____

ii) _____

42. a) Mention any **two** examples of root crops.

i) _____

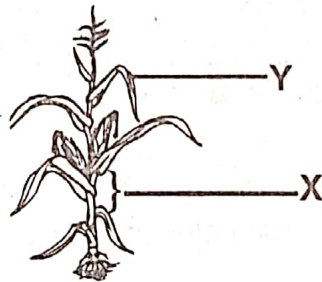
ii) _____

b) State the importance of the following parts on a granary;

i) rat guards _____

ii) roof _____

43. The diagram below is of a common plant in our environment. Study and use it to answer the questions that follow.



a) To which group of flowering plants does the above belong?

b) Name the part marked with letter X.

c) State the role of part marked with letter Y to the plant drawn above.

d) How is the root system in the above plant different from that in a bean plant?

44. a) Give **one** characteristic common to all arteries.

b) State any **two** uses of blood in the human body.

i) _____

ii) _____



c) Write any **one** activity that leads to faster beating of the heart than the normal.

45. a) Mention any **two** examples of perennial crops that can be grown in a school garden.

i) _____

ii) _____

b) State any **two** activities done to care for the above crops during the wet season.

i) _____

ii) _____

46. Below is a summary of a plant process. Study and use it to answer the questions that follow.

water and **B** = starch, oxygen and **C**

a) Name the plant process shown above.

b) Which substances are represented at **B** and **C**?

i) **B** _____

ii) **C** _____

c) Give the substance in the leaves that helps in the plant process drawn above.

47. a) Write the **two** methods of making alcohol.

i) _____

ii) _____

b) State any **two** reasons why school children should not drink alcohol.

i) _____

ii) _____

48. a) State any **two** diseases caused as a result of poor feeding.

i) _____

ii) _____

b) Mention any **one** cause of poor feeding among community members.

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



49.a) Which term is used to mean the feeding of babies on animal milk using a feeding bottle?

b) State any **two** conditions that can lead to feeding babies using bottles.

i) _____

ii) _____

c) Mention **one** danger of feeding babies using bottles.

50. Match the following immunisable diseases in list A with their signs and symptoms in list B

List A

measles

polio

diphtheria

tetanus

List B

stiff muscles

skin rash

lameness and paralysis

swollen neck and fever

chronic dry cough

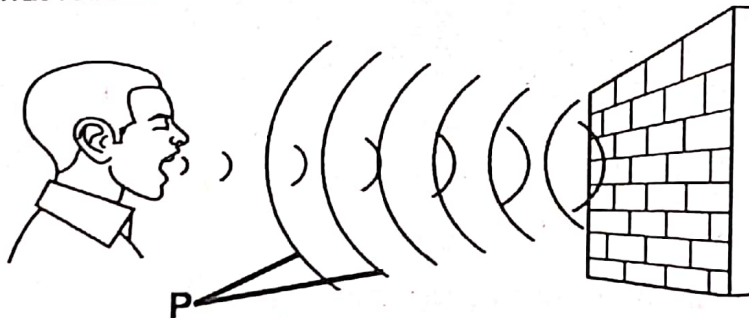
i) measles _____

ii) polio _____

iii) diphtheria _____

iv) tetanus _____

51. The diagram below is of a property of sound. Study and use it to answer the questions that follow.



a) Name the bounced sound waves labelled with letter **P**.

b) How are sound waves labelled with letter **P** formed?

c) How is sound labelled with letter **P** useful to the following animals?

i) a whale _____

ii) a bat _____



52. a) Name any **two** examples of sea mammals.

- i) _____
- ii) _____

b) Which body organ do sea mammals use for breathing?

c) State the adaptation which enables sea mammals to keep warm in water.

53. a) How do the following human activities cause soil erosion?

i) deforestation _____

ii) over cultivation _____

b) Mention any **two** effects of soil erosion in a crop garden.

- i) _____
- ii) _____

54. a) Write the weather condition that enables crop farmers to;

i) plant seeds _____

ii) dry harvested seeds _____

b) Which weather instrument is used to;

i) determine the depth of rainwater in the soil? _____

ii) record the duration of sunshine? _____

55. Give **two** examples of diarrhoeal diseases common among people.

i) _____

ii) _____

b) State **two** ways the school health committee can assist in the control of diarrhoeal diseases in the school.

i) _____

ii) _____

