

THE SIPRO BEGINNING OF TERM II EXAMINATIONS 2023

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
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Page 5		
Page 6		
Page 7		
Total		

Please turn over



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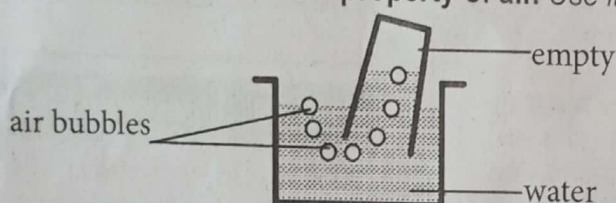
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SECTION A: 40 MARKS

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

1. Write any **one** example of a useful fungus.
2. State **one** way in which the root system is adapted to absorbing water and mineral salts from the soil.
3. Apart from bathing regularly, name any other activity done to keep the body clean.
4. Which biological process leads to the hatching of chicks from fertilised poultry eggs?
5. Name the body part that helps a primary six child to hold the pen while writing.
6. Which group of snakes has venom and venom glands?

The diagram below shows a property of air. Use it to answer question 7.



7. Give the reason why the air bubbles escape from the glass as seen in the diagram above.
8. Which other communicable disease can be controlled through the PIASCY messages apart from AIDS?
9. Mention **one** cause of common accidents that can occur in the school compound.
10. State any **one** way the community can participate in the promotion of Primary Health Care activities.
11. How is the function of the gall bladder different from that of the urinary bladder as body organs?
12. Write the method used to find the volume of a brick as a irregular object.



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P.6 INTEGRATED SCIENCE BEGINNING OF TERM II EXAMINATIONS 2023

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TEACHER'S GUIDES & PUPIL'S COMPANIONS.

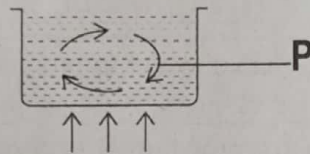
13. In which way does sound move from its source to other areas?

14. How is a feeding trough used by a poultry farmer caring for his poultry?

15. Name the vaccine given to pregnant women as a way of boosting immunity against tetanus.

16. Give the importance of a sheep farm placed next to a textile industry.

Below is a diagram showing an experiment about boiling water carried out in primary five class. Study and use it to answer questions 17 and 18



17. What do the arrows shown by letter **P** represent in the diagram?

18. How is the activity shown in the diagram important to human health?

19. State **one** way in which cactus plants reduce the rate of transpiration.

20. In which way can a mother control scurvy among her children at home?

21. State the adaptation of the sunbird to its mode of feeding.

22. Mention the digestive juice produced in the mouth.

23. Name the property of air demonstrated when a crop farmer uses a knap sack to spray pesticides on crops.

24. Which garden tool is greatly needed by a crop farmer whose rice is ready for harvesting?

25. Write any **one** way accidents are dangerous to an individual.

26. State any **one** factor considered when choosing a good site for setting a hive.



The diagram below shows an instrument commonly found in health centres.
Study and use it to answer question 27.



27. How useful is the instrument shown above to health workers?

28. In which way is the spread of measles similar to that of tuberculosis among people?

29. Why should the elderly people be fed on protein foodstuffs?

30. Name any **one** activity done by the help of water to promote personal hygiene.

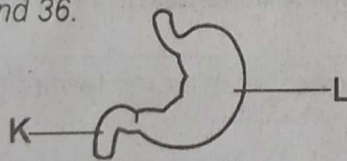
31. What piece of advice can you give to a crop farmer to control tuber crop pests in the garden?

32. How does a tapeworm obtain food from the host?

33. Why is it a good practice to switch off lights and televisions when not in use?

34. Name any **one** item a mother at home can use for lifting a hot saucepan from the charcoal stove.

The diagram below shows part of the digestive system. Use it to answer questions 35 and 36.



35. Name the part labelled with letter K.

36. How is part marked with letter L useful during digestion?

37. Give **one** way school going children can manage rainy weather.



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38. Which breed of rabbits is mainly kept for fur production?

39. Give the importance of the eardrum in the process of hearing.

40. Mention any **one** step that can be done to control floods in the environment.

SECTION B: 60 MARKS

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

41. a) Write any **two** parts that make up the shoot system of a plant.

(i) _____

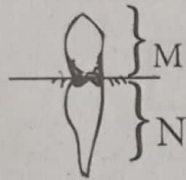
(ii) _____

(b) Give **two** importance of plants to people.

(i) _____

(ii) _____

42. Below is a diagram of a tooth. Study and use it to answer the questions that follow.



(a) Name the regions labelled with letters **M** and **N**;

(i) M _____

(ii) N _____

(b) How can a primary six pupil ensure that his/ her teeth are in a proper working condition?

(i) _____

(ii) _____

43. (a) State the difference between First Aid kit and First Aid box.

(b) Name any **two** places where the First Aid box can be found.

(i) _____

(ii) _____

(c) Why should a First Aid box be painted with bright colours?



44. (a) How is a clinical thermometer useful to a doctor in the hospital?

(b) Name the thermometric liquid used in a clinical thermometer.

(b) Give any **two** reasons why the thermometric liquid mentioned in (b) above is used in a clinical thermometer.

(i) _____

(ii) _____

45. (a) Mention any **two** factors considered when classifying birds.

(i) _____

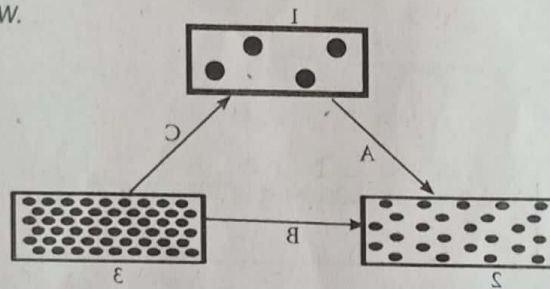
(ii) _____

(b) Write any **two** importance of birds to people.

(i) _____

(ii) _____

46. Below is a cycle showing changes in states of matter. Use it to answer the questions that follow.



(a) Name the states of matter named;

(i) 1 _____

(ii) 3 _____

(b) Which processes are represented by letter;

(i) A? _____

(ii) C? _____

47. a) Give the meaning of the term "balanced diet".

(b) Write any **two** components of a balanced diet.

(i) _____

(ii) _____

(c) State any **one** way poor feeding affects the body of an individual.



48. (a) Mention any **two** human activities done during the wet season.

(i) _____

(ii) _____

(b) Write any **two** effects of rainy weather in the environment.

(i) _____

(ii) _____

49. (a) Which **two** breeds of goats can be reared mainly for milk production?

(i) _____

(ii) _____

(b) Give any **two** reasons why most people prefer keeping goats to cattle.

(i) _____

(ii) _____

50. (a) Name any **two** plant processes that occur in the leaves.

i) _____

ii) _____

(b) Which type of leaf venation is found in the leaves of these plants?

(i) wheat plant _____

(ii) groundnuts plant _____

51. (a) Write any **one** reason why the following animals are kept at home;

(i) cat _____

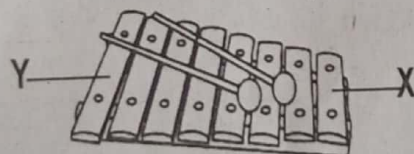
(ii) dog _____

(b) Name the young one of a ;

i) cat _____

ii) dog _____

52. Below is a diagram of a musical instrument commonly used by the MDD club in schools. Use it to answer the questions that follow.



(a) To which group of musical instruments does the one shown in the diagram above belong?

(b) How does the musical instrument shown in the diagram above produce sound?



(c) Which of the two bars **X** and **Y** produces the lowest pitch when hit?

(d) Give a reason for your response in (c) above.

53. (a) Name any **two** places in the environment where immunization is done.

(i) _____

(ii) _____

(b) Why should the polio vaccine be re-administered to babies at two and a half months?

(c) How does immunisation boost the immunity of the body?

54. Match the crop growing practices with their importance.

A

B

propping

adapts seedlings to harsh weather.

mulching

prevents the fruits from falling.

hardening off

improves soil fertility.

manuring

conserves soil moisture.

(i) propping _____

(ii) mulching _____

(iii) hardening off _____

(iv) manuring _____

55. (a) Which vector spreads germs in the 4F's germ cycle?

(b) Write any **two** diseases spread through the 4F's germ cycle?

(i) _____

(ii) _____

(c) State **one** way spread of germs in the 4F's germ cycle can be controlled.

