

THE SIPRO P.7 MOCK 2025

INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Index No.

Random No.						Personal No.		

Candidate's Name: _____

Candidate's Signature: _____

School Random No. _____

District ID: _____

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;

Qn-No	MARKS	INITIALS
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
Total		

Please turn over



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SECTION A: 40 MARKS

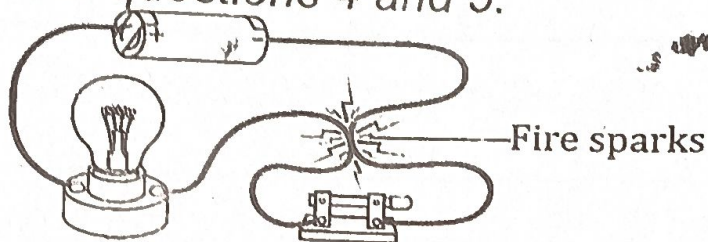
Questions 1 to 40 carry one mark each.

1. Name the basic unit for measuring weight.

2. Give any **one** item used to maintain oral hygiene.

3. Mention **one** way school children may use the sun as a source of energy.

The diagram below shows a fault in an electric circuit.
Use it to answer questions 4 and 5.



4. State any **one** possible cause of the electric fault shown in the diagram above.

5. Mention any **one** danger of the above electric fault in a home.

6. How are bats able to locate food at night?

7. Write any **one** antisocial behaviour which is a result of drug abuse.

8. State a reason why a person with severe diarrhoea dies soon if not cared for.

9. Apart from contraction, give any **one** other effect of heat loss on matter.

10. Give any **one** advantage of using a single fixed pulley over using a single movable pulley when raising a load of 50kg.



11. In which way do roughages help to control constipation?

12. Why are most solar panels made of dark colours?

13. State a reason why a person with HIV/AIDS is easily affected by other communicable diseases.

14. Give a reason why wind is useful in the winnowing process.

15. Why do houseflies lay their eggs in decaying matter?

16. How does friction lead to reduction of size in shoe soles?

17. State any **one** use of a dustbin in school.

18. Why is rainfall measured in millimetres?

19. Give any **one** way in which the use of hydroelectricity is friendly to the environment.

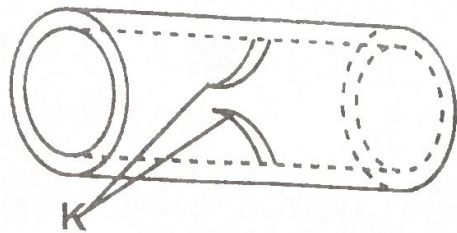
20. Name the germ that causes AIDS disease.

21. Which component of air is used for preservation of semen after artificial insemination?

22. How is a mushroom able to absorb food nutrients from decaying matter?



The diagram below shows a blood vessel. Use it to answer questions 23 and 24.



23. Identify the type of blood vessel shown in the diagram above.

24. How is part labelled with letter **K** important to the blood vessel drawn above during blood transportation?

25. Give the difference between the cotyledon of a bean seed and that of a maize grain in terms of function.

26. How does covering food during cooking help in the preservation of wood fuel during food preparation?

27. State a reason why sand soil is the best type of soil for construction.

28. Which deficiency disease is caused by starvation?

29. Name the group of crops that produces a lot of grains.

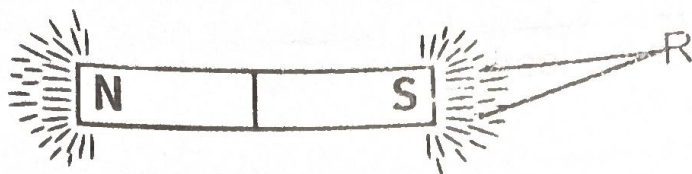
30. Why should a dairy farm have a strip cup?

31. By which method are petroleum products obtained from petroleum?

32. Give any **one** characteristic of root tuber crops.



The diagram below shows a property of magnets. Use it to answer questions 33 and 34.



33. Identify the structures marked with letter R.

34. Give a reason why structures R are mostly seen at the ends of the magnet.

35. Mention any **one** structural difference between a cock and a hen.

36. State any **one** reason why distilled water obtained by decantation isn't recommended for drinking.

37. Why is it difficult to light a matchstick on a wet matchbox?

38. Write **one** way the ileum is well adapted to its function of digestion.

39. State any **one** way an amphibian protects its eggs.

40. Give the main reason why sheep farmers shear their sheep during the dry season.

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. (a) Where in the female reproductive system does fertilisation take place?

(b) State any **one** primary sex characteristic that occurs in both adolescent boys and adolescent girls.



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P.7 INTEGRATED SCIENCE MOCK EXAMINATION - 2025

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

(c) Mention any **two** challenges faced by adolescent boys and girls.

(i) _____

(ii) _____

42.(a) Name the part of a housefly which helps it to balance in air during flight.

(b) Give **two** dangers of houseflies to people.

(i) _____

(ii) _____

(c) How are houseflies important in the pit of an ordinary pit latrine?

43. Study the table about grouping of birds below and complete it correctly.

Groups of birds	Examples	Adaptations
(a) Swimming birds	Ducks, swans	(i) _____
(b) (ii) _____	Crested crane, ibis	Partly webbed feet, long legs and necks.
(c) Perching birds	Weaver birds, doves	(iii) _____
(d) Nectar sucking birds	(iv) _____	Have long slender beaks.

44.(a) Name the document issued out to parents to enable them monitor the child's growth and immunization schedule.

(b) Mention any **two** pieces of information found on the document mentioned in (a) above.

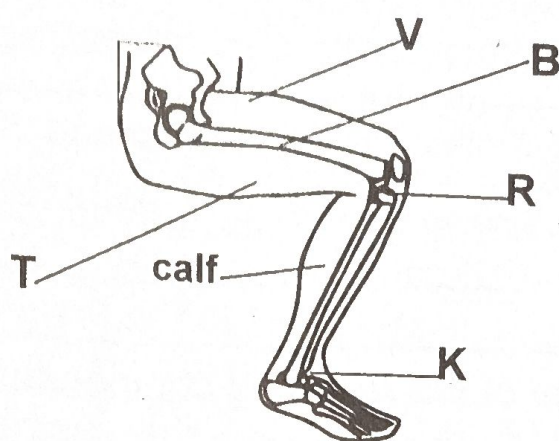
(i) _____

(ii) _____

(c) State any **one** way a teacher can know that a child is immunized against tuberculosis without using the document mentioned in (a) above.



- 45 The diagram below shows part of the human skeleton. Use it to answer the questions that follow.



(a) Name the bone labelled with letter **B**.

(b) How do the following muscles behave when the leg is bent?

(i) **V**

(ii) **T**

(c) How is movement in joint **R** different from that in joint **K**?

46. Below is a wrong order of steps involved in recovering salt that has been mixed with soil. Arrange them in their correct order.

- (i) Filter the mixture to obtain clean salt solution.
- (ii) Get the mixture of sand and salt then add water.
- (iii) Evaporate the salt solution to dryness to get back the salt.
- (iv) Stir the mixture to dissolve the salt completely.

(i)

(ii)

(iii)

(iv)

47. (a) Apart from penetrating bare feet, mention **two** other ways intestinal worms spread among people.

(i) _____

(ii) _____

(b) Mention any **two** ways of controlling the spread of intestinal worms among people.

(i) _____

(ii) _____

48. (a) State **one** importance of the following components of soil:

(i) air _____

(ii) humus _____

(b) Compare the capillarity of clay and sand soil. (02 marks)

49. The diagrams below are of sound waves of different frequencies. Study and use them to answer the questions that follow.



(a) Which of the diagrams above represents sound of;

(i) high pitch? _____

(ii) low pitch? _____

(b) Apart from frequency, write **two** other factors that determine the pitch of sound produced by an object.

(i) _____

(ii) _____



50.(a) Mention any **two** examples of materials used in the manufacture of biogas.

(i) _____

(ii) _____

(b) How are bacteria useful in the manufacture of biogas?

(c) Give **one** benefit of biogas production to a crop farmer.

51.(a) Name the muscle that separates the heart into two sides.

(b) State the similarity between the vena cava and the pulmonary artery in terms of blood they transport.

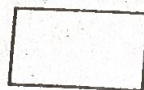
(c) Write any **two** ways of preventing heart diseases and disorders.

(i) _____

(ii) _____

52.(a) Elma's body temperature dropped by 2°C . Work out her new body temperature.
(02 marks)

(b) Change Elma's new body temperature to the Fahrenheit scale.
(02 marks)



53.(a) Name **two** non-edible products obtained from rearing poultry.

(i) _____

(ii) _____

(b) Write any **one** disease of poultry caused by a virus.

(c) Give **one** reason why most people in Uganda today prefer rearing poultry to rearing domestic animals.

54.(a) Which steps in cleaning clothes require the use of heat energy?

(i) _____

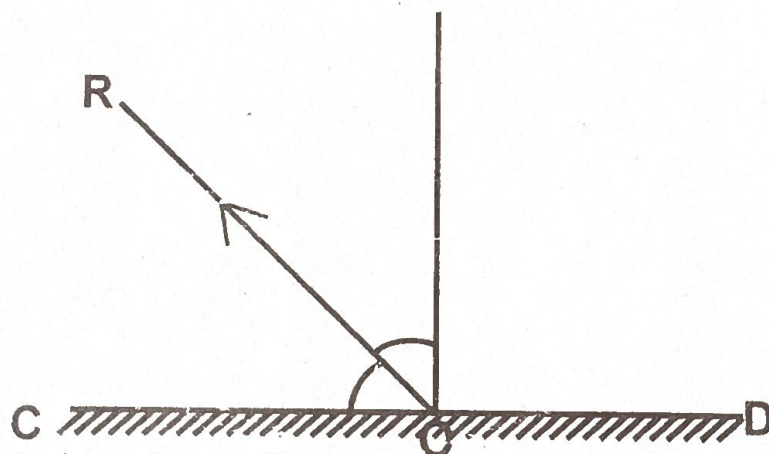
(ii) _____

(b) Give **two** reasons why some people decide to use washing machines when cleaning clothes.

(i) _____

(ii) _____

55. The diagram below shows reflection of light. Use it to answer the questions that follow.



(a) Name the parts labelled with letters;

(i) **OR** _____

(ii) **CD** _____

(b) Complete the diagram above correctly by drawing the missing ray.

(c) State **one** way the type of reflection drawn above is important in our daily life.

