



THE SIPRO PREMIUM SET 2023

END OF TERM II PRIMARY SEVEN 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:

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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/crossing** 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;

PAGES	MARKS	INITIALS
Page 1		
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
Page 9		
Total		

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SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

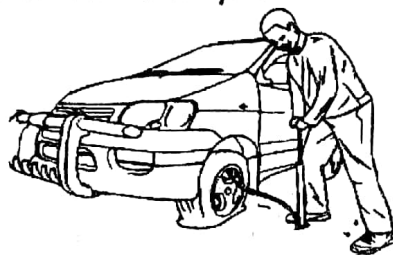
1. Name the part of an insect where the halteres are attached.

2. Which component of blood transports digested food throughout the body?

3. Give **one** way in which pests affect crops in the garden.

4. Why are parents always encouraged to feed children on well cooked meat?

The diagram below shows a man pumping air into a car tyre .
Study and use it to answer questions 5 and 6.



5. State **one** property of air which is demonstrated in the activity shown in the diagram above.

6. Give a reason why milk left uncovered becomes sour after a night.

7. Name the type of weather which favours the winnowing of harvested seeds and grains.

8. What role is played by ironing in the control of skin diseases?

9. Give **one** advantage of using electricity for cooking other than firewood.

10. Why are some objects like boats streamlined?



11. Name any **one** musical instrument used to reproduce sound stored by solfas.

12. How does the human skin help to regulate the amount of water in the body?

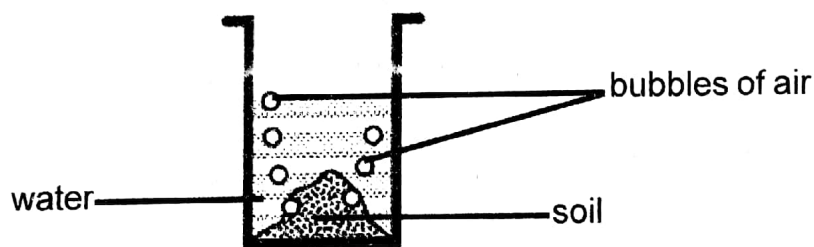
13. Which activity in apiculture involves the use of a swarm catching net?

14. State **one** characteristic of solitary insects.

15. Mention **one** way bush burning can degrade the environment

16. Which degree of burns is characterised by formation of blisters?

Nakuti puts some water into a glass which contained dry soil.
Bubbles of air are seen escaping from the soil as seen in the diagram below. Study the diagram and use it to answer question 17.



17. Why do the bubbles of air escape from the soil as seen in the diagram above?

18. Write **one** factor considered when prescribing drugs to a sick person.

19. How are horns useful to cattle?

20. State **one** danger of abortion to a victim of teenage pregnancy.



21. Name the type of soil erosion that results into formation of big water channels if not controlled earlier.

22. Which method of separating mixtures helps in the preparation of fruit juice in a home?

The diagram below is of a simple machine. Study and use it to answer question 23.



23. Write any **one** way people use the group of simple machines represented in the diagram above.

24. Why is it important for cooks to use insulators when lifting hot saucepans from fire?

25. Which energy change takes place when firewood burns into ash?

26. How can constipation be prevented among children in a family?

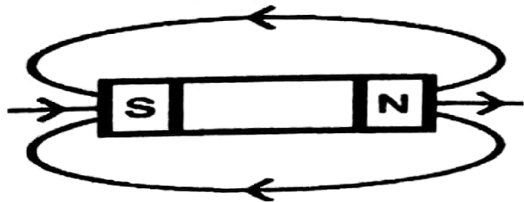
Study the different groups of foodstuffs below and use them to answer questions 27 and 28.

P	S
Meat	Cassava
Eggs	White yam
Beans	Wheat

27. Which food value is obtained from eating foodstuffs in list **S**?

28. In which way are foodstuffs in list **P** different from those in list **S** in terms of the deficiency diseases they control?



29. Mention **one** example of an animal in the environment which gives out light.
-
30. What can be done to slippery murram roads in order to ease movement of vehicles on a rainy day?
-
31. How does a dove benefit from a short corneal beak as it feeds?
-
32. Name **one** example of Sexually Transmitted Disease caused by fungi.
-
33. Which property of clay enables it to be moulded easily to make ceramics?
-
34. Why are plane mirrors made of shiny smooth surfaces?
-
35. Give **one** way an echo is useful to a bat.
-
36. Name the type of pulley commonly used in schools to hoist flags on masts.
-
37. How does weeding control crop pests in a tuber crop garden?
-
38. In which way is smoking helpful in the preservation of fish?
-
39. Name the property of magnets illustrated below.
- 
-
40. State the similarity in function of the anthers in a flower and testes in humans.
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SECTION A : 40 MARKS

Questions 41 to 55 carry four marks each.

41. (a) Which condition for germination prevents the seed embryo from rotting?

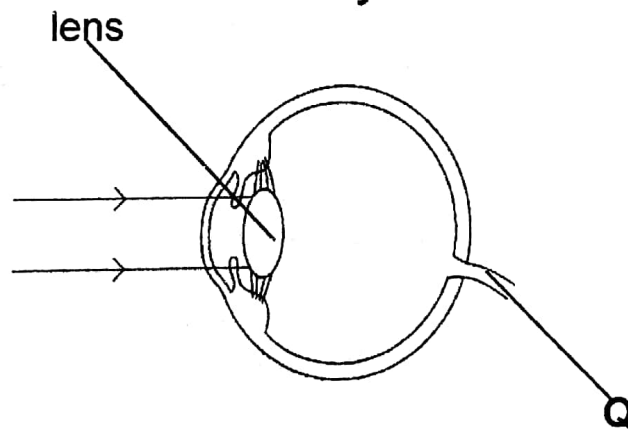
(b) Name the part that provides food to the following seeds during germination;

(i) simsim _____

(ii) groundnut _____

(c) Apart from using chemicals, give **one** way of controlling pests in the garden.

42. The diagram below is of a human eye. Use it to answer the questions that follow.



(a) Name the part labelled with letter Q.

(b) Draw the image of the object in the eye.

(c) Name the type of lens in the above human eye.

(d) Mention any **one** example of an eye defect.



43. (a) Give the standard units in which these quantities are measured;

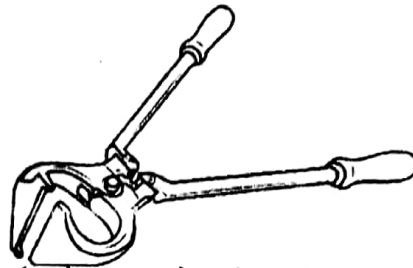
(i) weight _____

(ii) density _____

(b) When placed in water, a pawpaw with a mass of 57g displaced water of 3cc. Work out the density of the pawpaw.

44. Below is a diagram showing an equipment used on a cattle farm.

Study and use it to answer the questions that follow.



(a) Name the equipment shown in the diagram above.

(b) How is the above equipment useful on a cattle farm?

(c) Write any **two** advantages of carrying out the animal management practice done with the instrument drawn above.

(i) _____

(ii) _____



45. Below is a table showing a list of animals A and B . Study and use it to answer the questions that follow.

List A	List B
Toad	Sheep
Tortoise	Leopard
Nile Perch	Rat
	Seal

(a) Give any **one** similarity between animals in list A and those in list B.

(b) How is a toad different from the other animals in list A?

(c) Name the animal in list B that uses fats to maintain a constant body temperature.

(d) Which of the animals in list A undergoes external fertilisation?

46. (a) Mention any **two** uses of coal as energy resources.

(i) _____

(ii) _____

(b) State any **two** steps taken by people to conserve fossil fuels in the environment.

(i) _____

(ii) _____

47. (a) What is a health parade?

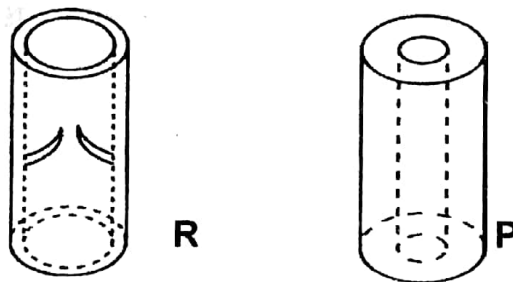
(b) Give any **two** reasons why health parades are conducted in schools.

(i) _____

(ii) _____

(c) Give **one** reason for starting science oriented clubs in schools.

48. The diagrams below show components of blood. *Study and use them to answer the questions that follow.*



(a) Name the blood vessel marked with letter P.

(b) Use a label and letter **M** to indicate the structure in blood vessel **R** that function in the same way as the kink in the clinical thermometer.

(c) Apart from blood vessels, name any **two** other parts of the circulatory system.

(i) _____

(ii) _____



49. (a) Which childhood immunisable disease causes;

(i) a swollen throat ? _____

(ii) a sore mouth ? _____

(b) How does immunisation help in boosting the body immunity?

(c) Give the step taken by the government to ensure that most people have their children immunised.

50. (a) Why do farmers carry out the following practices in crop growing;

(i) hardening off _____

(ii) thinning _____

(b) Give any **two** advantages of raising seedlings in a nursery bed.

(i) _____

(ii) _____

51. (a) What structures join a muscle to a bone in a human body?

(b) Which movable joint is located in the following parts of the body?

(i) neck _____

(ii) ankle _____

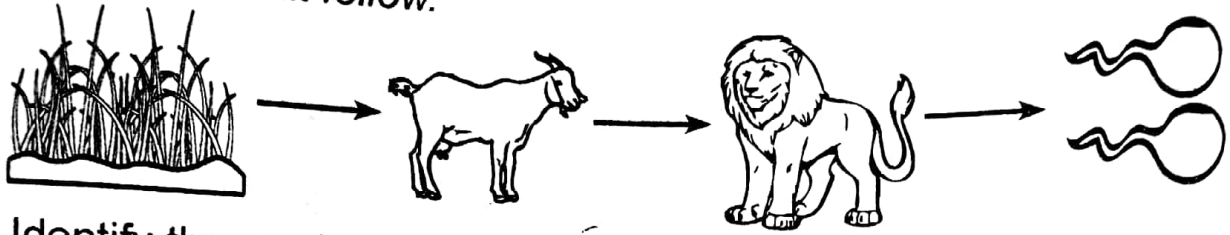
(c) Write any **two** adaptations of movable joints to permitting movement in the body.

(i) _____

(ii) _____



52. The diagram below is of a food chain. Study and use it to answer the questions that follow.



(a) Identify the producer in the food chain above.

(b) Why is the goat called a primary consumer?

(c) How does a lion benefit from grass in the food chain shown above?

(d) State the role of bacteria in the above food chain.

53. (a) Give any **two** factors that cause alcoholism among people.

(i) _____

(ii) _____

(b) Mention any **two** ways in which alcoholism affects the life of an individual.

(i) _____

(ii) _____

54. Match the soil components in list K to their importance in list L.

List K

List L

earthworm

allows plant roots to breathe

water

provides nutrients needed for crop growth

air

aerates the soil

humus

dissolves stored food in the cotyledons

(i) earthworm _____

(ii) water _____

(iii) air _____

(iv) humus _____

55. (a) Write any **two** possible dangers of not giving first aid to casualties.

(i) _____

(ii) _____

(b) Which component of a first aid box is used to disinfect wounds?

(c) What does letter **A** stand for in first aid administration?

