

**THE SIPRO BEGINNING OF TERM I EXAMINATIONS 2023**  
**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: \_\_\_\_\_

**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:**

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Total		

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**THE SIPRO EDUCATIONAL SERVICES LIMITED - KAMPALA**

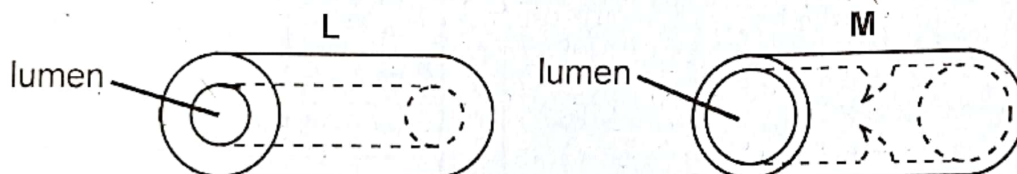
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## SECTION A: 40 MARKS

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

1. Name the class of food that builds up our bodies leading to growth.  
\_\_\_\_\_
2. State **one** activity done to control echoes in a school mainhall.  
\_\_\_\_\_
3. How does decomposition improve soil fertility?  
\_\_\_\_\_  
\_\_\_\_\_
4. Give **one** hygienic activity done to control fungal skin diseases in school going children.  
\_\_\_\_\_
5. Mention any **one** similar secondary sex characteristic in both adolescent boys and girls.  
\_\_\_\_\_
6. State **one** role of a child in promoting food hygiene at home.  
\_\_\_\_\_

The diagrams below are of blood vessels. Study and use them to answer questions 7 and 8.



7. Identify the type of blood vessel labelled L.  
\_\_\_\_\_
8. Name the type of blood carried by blood vessel M.  
\_\_\_\_\_
9. How is warmth useful during seed germination?  
\_\_\_\_\_  
\_\_\_\_\_
10. Name **one** accident common to children who play carelessly around open water sources.  
\_\_\_\_\_  
\_\_\_\_\_



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



11. Mention the group of arthropods with two main body parts and eight jointed legs.

12. How is heavy rainfall a danger to crop farmers?

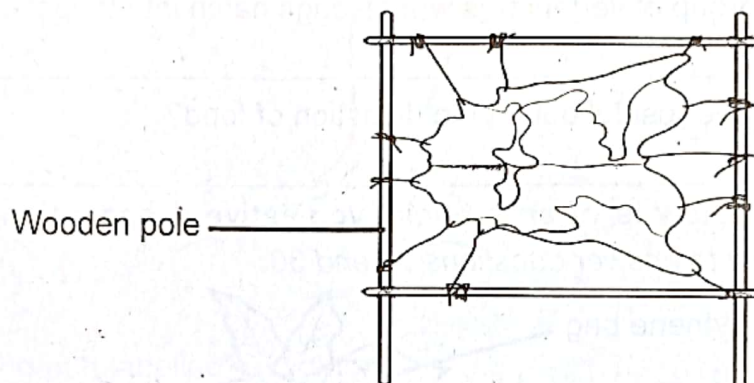
13. State **one** danger of alcoholism to a pregnant mother.

14. How are broken bottles and nails a danger to one's life?

15. Name **one** part of a plant that develops from the axillary bud.

16. How is scabies similar to ringworm in the way they are spread among people?

The diagram below shows a common cattle product. Study and use it to answer questions 17 and 18.



17. State the method of preservation for the cattle product shown in the above diagram.

18. How does the above method preserve the above cattle product?

19. State **one** reason for ironing washed clothes in a home.

20. Name the part of a banana plant commonly eaten by monkeys.

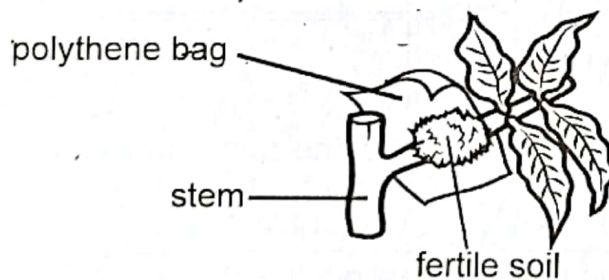
21. Mention **one** biological change that takes place in plant flowers.





22. Brian's baby had an old looking bony face and a swollen belly full of air.  
Which deficiency disease was the baby suffering from?  
\_\_\_\_\_
23. How does the use of mosquito nets control the spread of malaria in a home?  
\_\_\_\_\_  
\_\_\_\_\_
24. Name the component of a rain gauge that directs water into the measuring cylinder.  
\_\_\_\_\_
25. Why are the legs of a fainted victim raised slightly above the level of the head?  
\_\_\_\_\_
26. State **one** use of ears to a deaf person.  
\_\_\_\_\_
27. Name the group of vertebrates whose eggs hatch into tadpoles.  
\_\_\_\_\_
28. How is the liver useful during the digestion of food?  
\_\_\_\_\_

The diagram below is of an artificial vegetative propagation method.  
Study and use it to answer questions 29 and 30.

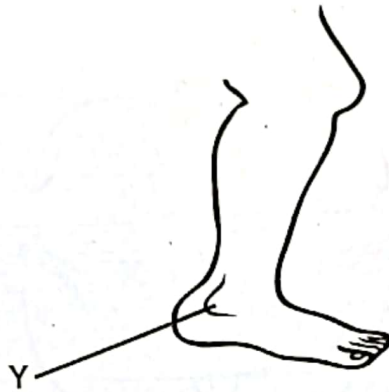


29. Identify the above method of artificial vegetative propagation.  
\_\_\_\_\_
30. State the role of fertile soil in the above vegetative propagation method.  
\_\_\_\_\_
31. Mention any **one** sign of worm infestation in infants.  
\_\_\_\_\_



2. Musoke's cow had a swollen udder, painful teats, blood stained milk and swollen teats. What disease was it suffering from?  
\_\_\_\_\_
33. Give **one** way PIASCY messages control the spread of STDs among school going children.  
\_\_\_\_\_
34. Name **one** common accident that leads to dehydration when it occurs severely.  
\_\_\_\_\_
35. Apart from a tick, name **one** other example of an arachnid.  
\_\_\_\_\_
36. Why do cooks use paper when carrying hot saucepans from fire places?  
\_\_\_\_\_  
\_\_\_\_\_

The diagram below shows a part of the body. Study and use it to answer question 37.



37. Name the part labelled with letter Y.  
\_\_\_\_\_
38. Apart from diarrhoeal diseases, name **one** other disease spread by a cockroach.  
\_\_\_\_\_
39. State **one** way a crop farmer can benefit from a rabbitry.  
\_\_\_\_\_
40. Why is asthma grouped under non-communicable diseases?  
\_\_\_\_\_  
\_\_\_\_\_



SECTION B: 60 MARKS

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

41(a) Name the components of air with the compositions given below;

(i) 78% \_\_\_\_\_

(ii) 21% \_\_\_\_\_

(b) State **two** uses of the air component that occupies 0.03% in the atmosphere.

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

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

42(a) Name the type of energy possessed by:

(i) smoke \_\_\_\_\_

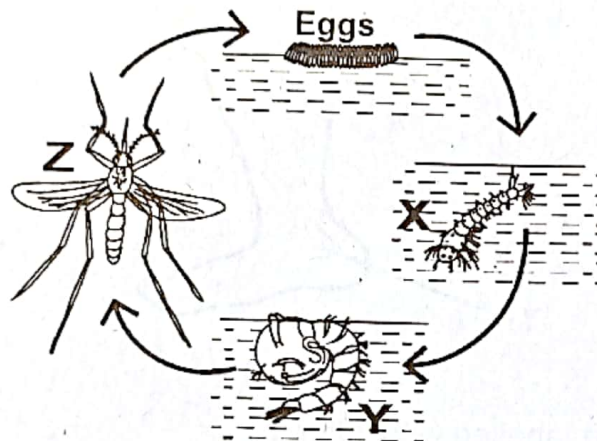
(ii) a baby sleeping \_\_\_\_\_

(b) State any **one** use of heat to a;

(i) blacksmith \_\_\_\_\_

(ii) laundry worker \_\_\_\_\_

43. The diagram below shows the lifecycle of a common mosquito. Study and use it to answer the questions that follow.



(a) Name the stages marked X and Y.

(i) X \_\_\_\_\_

(ii) Y \_\_\_\_\_

(b) Which disease is spread by the stage marked Z?

\_\_\_\_\_

(c) How does pouring oil in stagnant water control the above mosquito at stage X?

\_\_\_\_\_



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44(a) Give the meaning of the term "resources".

(b) To which type of resources do minerals and animals belong?

(i) minerals:

(ii) animals:

(c) Mention any **one** way of conserving non-renewable resources.

45(a) State **two** industrial uses of honey.

(i)

(ii)

(b) Name **one** other product of bees besides honey.

(c) State **one** role of a worker bee outside the beehive.

46(a) Give the meaning of the term transplanting.

(b) State any **one** importance of a nursery bed in crop growing.

(c) Mention **one** activity done in a nursery bed before sowing seeds.

(d) Which garden tool is used for transplanting?

47(a) Name **two** animals that use water as their natural habitat.

(i)

(ii)

(b) Apart from being a habitat, give **two** other ways the above animals benefit from water.

(i)

(ii)



48. Match the diseases in **list A** below to their causative agents in **list B**.

cholera

virus

syphilis

vibrio cholerae

typhoid

treponema pallidum

poliomyelitis

salmonella typhi

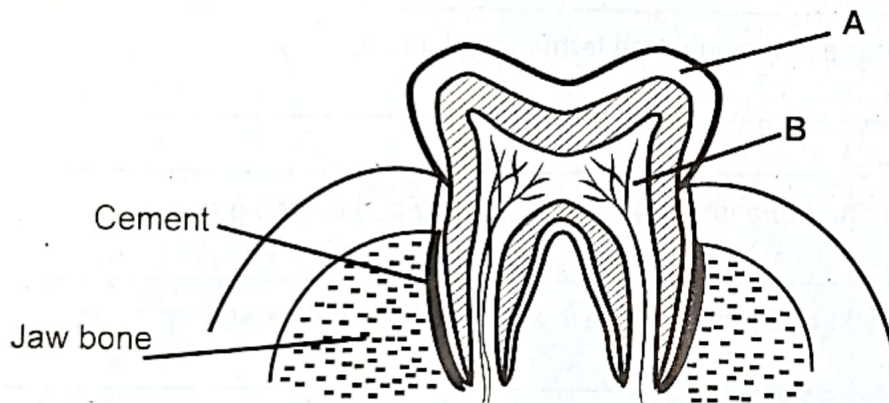
(i) cholera \_\_\_\_\_

(ii) syphilis \_\_\_\_\_

(iii) typhoid \_\_\_\_\_

(iv) poliomyelitis \_\_\_\_\_

49. The diagram below is of the structure of the human tooth. Study and use it to answer the questions that follow.



(a) Name the above drawn type of teeth.

\_\_\_\_\_

(b) Name the parts labelled A and B.

(i) A \_\_\_\_\_

(ii) B \_\_\_\_\_

(c) Give one way of caring for our teeth.

\_\_\_\_\_



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50(a) Name the **two** methods used when administering vaccines into the body of a newly born baby.

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

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

(b) Why are vaccines administered on different parts of the body?

\_\_\_\_\_

(c) State the main reason why polio vaccine is administered at birth.

\_\_\_\_\_

51(a) Give **two** methods used to get clean water for washing clothes at home.

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

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

(b) State **one** importance of the following steps involved in the cleaning of clothes.

(i) sorting: \_\_\_\_\_

(ii) soaking: \_\_\_\_\_

52(a) Name the type of soil that has;

(i) fine and sticky particles. \_\_\_\_\_

(ii) large and rough particles. \_\_\_\_\_

(b) Name **two** products made from soil with large and rough particles.

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

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

53(a) Name **two** examples of root crop pests.

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

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

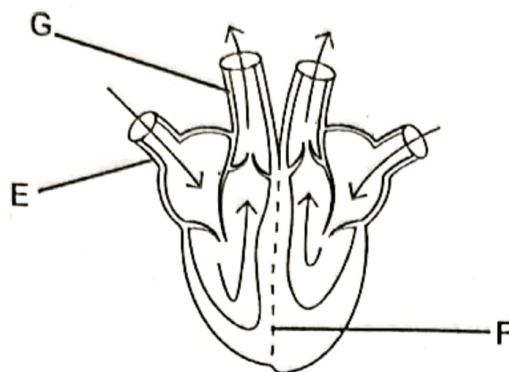
(b) State any **two** activities done to control root crop pests.

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

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



54. The diagram below shows the human heart. Study and use it to answer the questions that follow



(a) Name the parts labelled F and E.

(i) F \_\_\_\_\_

(ii) E \_\_\_\_\_

(b) To which body organs does blood vessel G lead blood to?

(c) Use an arrow and letter H to indicate the blood vessel that supplies oxygenated blood to all other body parts.

55(a) State the commonest system of keeping poultry in rural areas.

(b) Give **two** advantages of the above system of keeping poultry.

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

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

(c) Why is the above system of keeping poultry not practised by urban poultry farmers?

\_\_\_\_\_  
\_\_\_\_\_

