

**THE SIPRO BEGINNING OF TERM I EXAMINATIONS - 2024**  
**PRIMARY SEVEN INTEGRATED SCIENCE**

Time Allowed: 2 Hours 15 Minutes

Random No.						Personal No.		

Index No.

Candidate's Name: \_\_\_\_\_

Candidate's Signature: \_\_\_\_\_

District: \_\_\_\_\_

**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**

PAGES	MARKS	INITIALS
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Total		

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## SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name the state of matter through which sound travels slowest.

2. Why is the feeding in tapeworms considered to be parasitic?

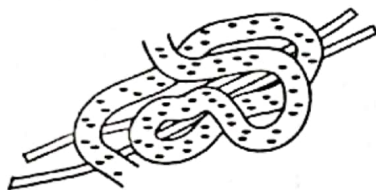
3. State the importance of the fertilisation process during reproduction.

4. Write any one way the over usage of firewood can be controlled in the environment.

5. How can a P.7 candidate promote immunisation in the family?

6. Give one way diarrhoeal diseases spread among people in the community.

The diagram below shows eggs of an amphibian. Study and use it to answer question 7.



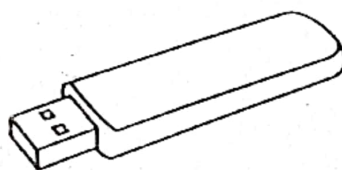
7. Identify the amphibian that lays the eggs shown in the diagram above.

8. Give any one reason why poultry farmers spend a lot of money when rearing exotic breeds of poultry.

9. Mention any one danger of drought in the environment.

10. Which living resource is involved in the water cycle?  
\_\_\_\_\_
11. How is the enamel of an incisor tooth adapted to its function of cutting and biting food?  
\_\_\_\_\_
12. State the characteristic which is common in all invertebrates.  
\_\_\_\_\_
13. How is propagation in a cassava plant similar to that in a sugarcane plant?  
\_\_\_\_\_
14. Which kind of accident occurs to an individual when hot soup pours on skin?  
\_\_\_\_\_
15. Write any **one** way of caring for a bathing sponge after use.  
\_\_\_\_\_
16. Why should a baby's diet mainly consist of foods rich in proteins?  
\_\_\_\_\_
17. State any **one** way of controlling the spread of diseases through the air germ path.  
\_\_\_\_\_
18. Give **one** way petroleum can be conserved as a resource.  
\_\_\_\_\_
19. How does heavy rainfall lead to soil erosion in the environment?  
\_\_\_\_\_

The diagram below shows a sound storage device. Study and use it to answer questions 20 and 21.



20. Name the device drawn above.  
\_\_\_\_\_
21. Which method of storing sound requires the use of the device drawn above?  
\_\_\_\_\_



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P.7 INTEGRATED SCIENCE BEGINNING OF TERM ONE EXAMINATION - 2024

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TIC'S GUIDES AND PUPIL'S COMPANION



22. Write the role of enzymes during the digestion process.

23. How do ticks lower the quality of hides on a cattle farm?

24. Which behaviour enables some trees to reduce the rate of transpiration during the dry season?

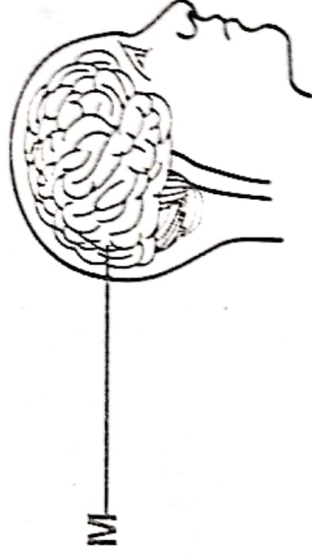
25. Name the part in a pregnant mother's body which prevents mixture of her blood with that of the foetus.

26. Apart from deworming, what else can a livestock farmer do to control endo parasites in cattle?

27. Which part on the human body plays a similar role as the lateral line on a fish?

28. Give any one effect of poor sanitation in a given area.

The diagram below is of a human body organ. Study and use it to answer question 29.



29. Mention any one way of caring for the body organ marked with letter M

30. How is reproduction in most fungi different from that in yeast?

31. Give the major role played by leaves in the existence of plants.

32. Why does blood from the lungs return to the heart?



## SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) Mention any two examples of diseases that spread through contaminated air droplets.

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

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

b) In which two ways can the spread of the above mentioned diseases be controlled?

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

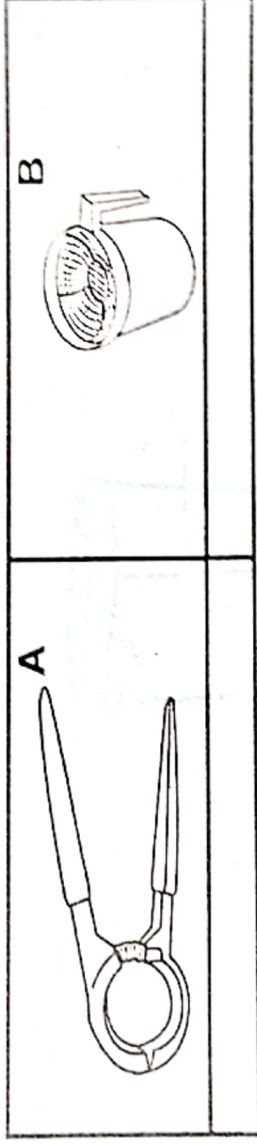
ii) \_\_\_\_\_

42. a) Write any two exotic breeds of sheep commonly kept in Uganda for wool production.

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

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

b) Name the equipment used on a livestock farm drawn below.



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

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

43. a) Name the garden tools used to carry out the following crop growing practices:

i) cutting off excess leaves and branches \_\_\_\_\_

ii) transplanting seedlings \_\_\_\_\_

b) Mention any two ways of keeping garden tools in a good working condition.

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

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

44. a) Mention any **two** conditions that may lead to fainting

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

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

b) Why should the legs of a fainted victim be raised higher than the head?

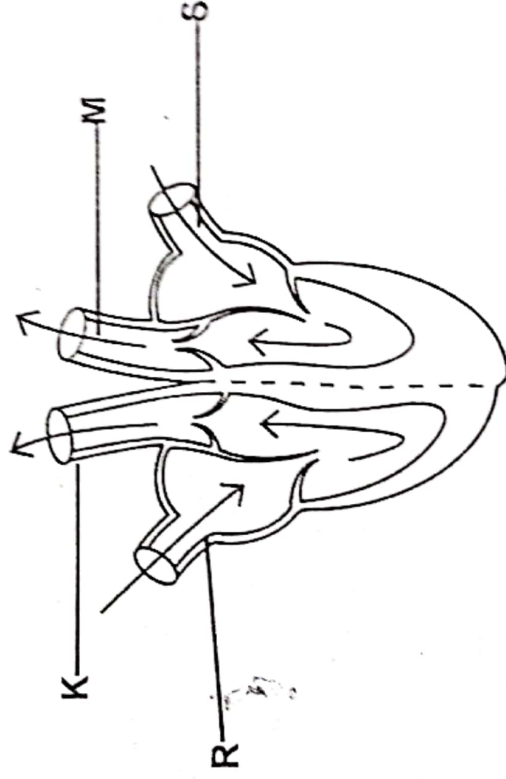
\_\_\_\_\_

\_\_\_\_\_

c) Give **one** way fainting can be controlled among school children.

\_\_\_\_\_

45. The diagram below is of a human heart. Study and use it to answer the questions that follow.



a) Name the parts labelled with letters **M** and **K**.

i) **M** \_\_\_\_\_

ii) **K** \_\_\_\_\_

b) What do the arrows in the diagram represent?

c) How is blood carried in blood vessel marked with letter **R** different from that in blood vessel marked with letter **S**?

\_\_\_\_\_

\_\_\_\_\_



46 a) Name the type of germ that is spread by the female anopheles mosquito.

b) How do the following activities help in the control of diseases spread by mosquitoes?

i) draining stagnant water

ii) clearing bushes around home

c) Give the best way of controlling mosquito bites at home during the night

47 a) What term refers to the introduction of vaccines into the body?

b) How do vaccines boost the body immunity against infections?

c) Which vaccines are given to babies at the following stages of growth?

i) thirty six weeks

ii) two and half months

48. a) Write any two examples of insects that are useful to people.

i)

ii)

b) In which two ways are insects useful to people?

i)

ii)

49. The process shown below takes place in plants. Study and use it to answer

the questions that follow chlorophyll

P and water → starch + Q + water vapour  
sunlight

a) Name the plant process shown above.

b) Which components of air are represented by letters P and Q?

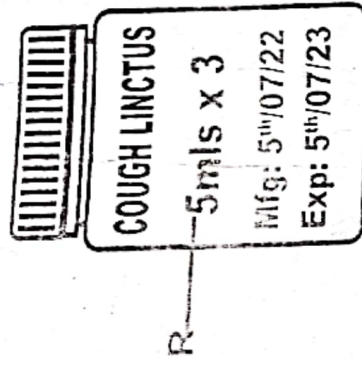
i) P

ii) Q

c) How is sunlight useful in the process shown above?



50. The diagram below shows drugs. Study and use it to answer the questions that follow.



- a) To which type of drugs does the one drawn above belong?
- b) Give any one quality of the type of drug mentioned in (a) above.
- c) What general name is given to the information labelled with letter R?
- d) Why is it dangerous for an individual to take such a drug when he/she has cough?

51. a) Name the habitat for each of these animals:

- i) a weaver bird
- ii) a cow
- b) In which two ways is a shelter useful to animals?

i)

ii)

52. a) To which group of tuber crops does each of the following crops belong?

- (i) carrots
- (ii) Irish potatoes
- b) Name one example of a tuber crop pest.

c) How does crop rotation help in the control of tuber crop pests?



53. a) Where does respiration take place in the human body?

b) Name the **two** raw materials used in respiration.

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

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

c) State the main product of respiration.

54. a) Name any **two** types of bees found in a beehive.

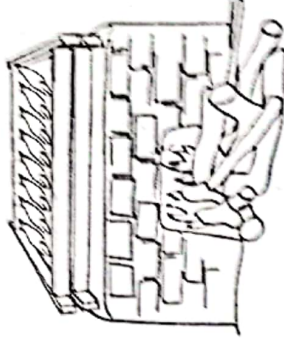
i) \_\_\_\_\_

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

b) Give the role of queen bee in a beehive.

c) Name the product from bees used to make shoe polish.

55. The diagram below shows a method of preserving fish. Study and use it to answer the questions that follow.



a) Name the method of food preservation drawn above.

b) How does the method drawn above help in the process of fish preservation?

c) Apart from fish, name **one** other foodstuff preserved by the method drawn above.

d) Name any other method of food preservation apart from the one drawn above.

23. In which way is a flat iron useful in the process of cleaning clothes?

34. What term refers to the amount of space occupied by an object?

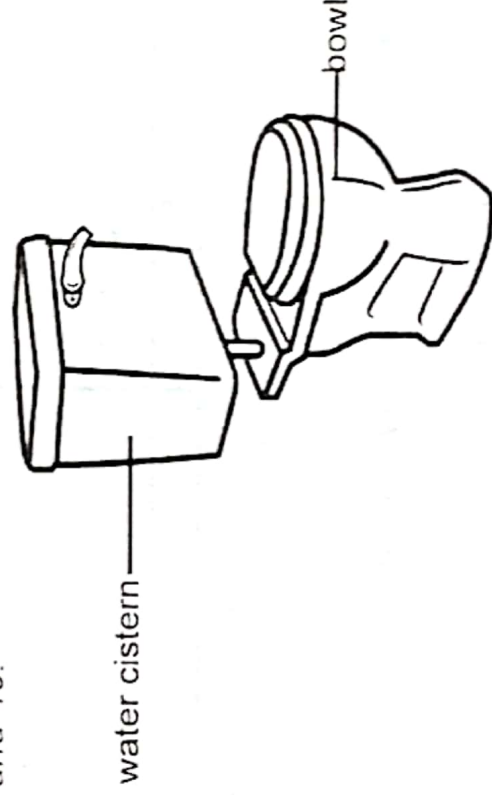
35. Name the part used by a mosquito to suck blood from a person's body.

36. Name the resource in the environment used for generating Hydroelectricity.

37. State **one** way drowning and neardrowning can be controlled in a home.

38. Mention any **one** disease that is spread as a result of poor personal hygiene.

The diagram below is of a type of latrine. Study and use it to answer questions 39 and 40.

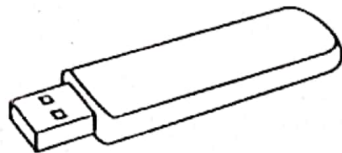


39. Identify the type of latrine drawn in the diagram above.

40. Why is it dangerous to use hard papers with such a latrine?

10. Which living resource is involved in the water cycle?
11. How is the enamel of an incisor tooth adapted to its function of cutting and biting food?
12. State the characteristic which is common in all invertebrates.
13. How is propagation in a cassava plant similar to that in a sugarcane plant?
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