

**CREATIVE EDUCATIONAL SERVICES**  
**BEGINNING OF TERM I EXAMINATIONS 2023**  
**PRIMARY SEVEN**  
**INTEGRATED SCIENCE**

TIME ALLOWED: 2 HOURS 15 MINUTES

Name: \_\_\_\_\_

School: \_\_\_\_\_

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

DO NOT OPEN THIS BOOKLET UNTIL  
YOU ARE TOLD TO DO SO.

Read the instructions carefully.

1. This paper has two sections: A and B.
2. Answer all questions. All answers to both Sections A and B must be written in the spaces provided.
3. All answers must be written using a blue and black ball – point pen or ink. Diagrams should be drawn in pencil.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot be read may lead to loss of marks.
6. Do not fill anything in the box indicated "For Examiner's Use Only" and those inside the questions paper.

EXAMINER'S USE ONLY

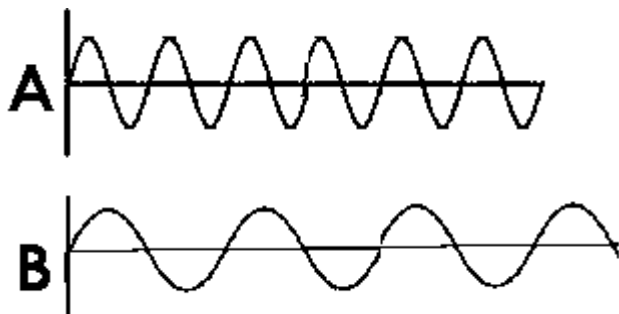
Qn. No.	Marks	Final Mark
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 45		
46 – 50		
51 – 55		
TOTAL		

Turn Over

SECTION A (40 marks):

1. What are invertebrates?  
\_\_\_\_\_
2. Give one condition that makes a poultry farmer carry out culling.  
\_\_\_\_\_
3. How is blood circulation useful in our bodies?  
\_\_\_\_\_
4. Which component of soil provides plants with nutrients?  
\_\_\_\_\_
5. In which standard units is length measured?  
\_\_\_\_\_
6. Why is coffee referred to as a perennial crop?  
\_\_\_\_\_
7. What role is played by root hairs on plant roots?  
\_\_\_\_\_

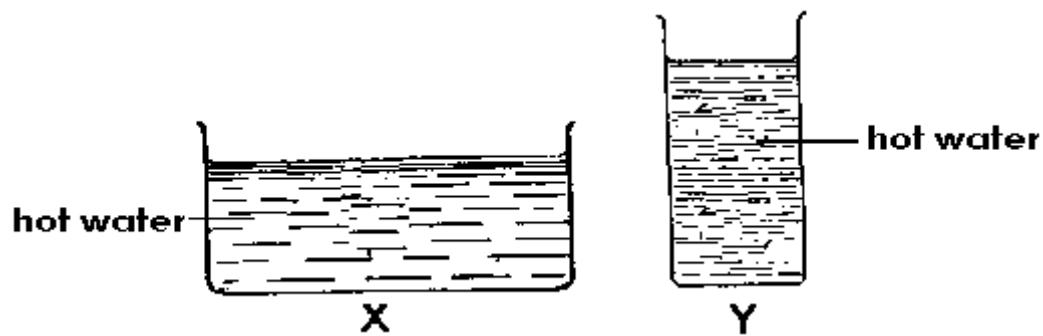
The drawing below shows sound waves of different pitch. Use them to answer questions that follow.



8. Which of the two illustrates high-pitched sound?  
\_\_\_\_\_
9. Give one characteristic of low pitched sound.  
\_\_\_\_\_
10. Name the garden tool commonly used in weeding crops.  
\_\_\_\_\_
11. Mention one indicator of bad health in rabbits.  
\_\_\_\_\_
12. Why are infants not immunized against measles at birth?  
\_\_\_\_\_
13. How are sweaters useful to schoolchildren?  
\_\_\_\_\_

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The diagram below shows two containers carrying same amount of hot water. Use them to answer questions 14 and 15.



14. In which container will water cool first?
- 
15. Give one reason for your answer in (14) above.
- 
16. How can water sources be protected from contamination?
- 
17. Name the cancer forming substance in tobacco smoke.
- 
18. How is washing of hands after visiting a toilet a good health practice?
- 
19. In the space below, draw a foot of a swimming bird.
- 
20. State one role played by saliva during food digestion.
- 
21. Why do people in Uganda keep cattle?
- 
22. Mention one example of a non-flowering plant.
- 
23. Identify the danger of hookworm infestation.
- 
24. How does a casualty benefit from the first aid he / she is given?
- 
25. Under what condition is a baby considered vulnerable?
- 
26. State one example of a chemical change in the environment.
- 
27. Why would you encourage rotting of rubbish in a pit?
-

- 
28. How is the message written on the signpost below useful to P.6 children?



- 
29. Give one method that you can use to make water clean for washing clothes.

- 
30. Mention any one component of air.

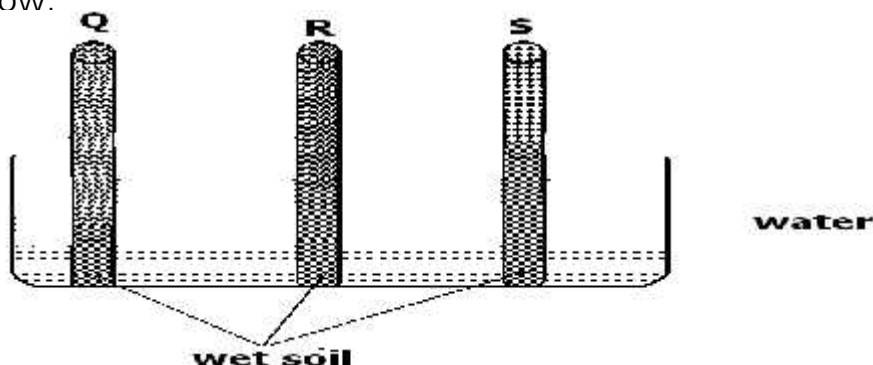
- 
31. Why should a living house be properly ventilated?

- 
32. What food value can one get from eating honey?

- 
33. Why is mercury the best liquid to be used in thermometer?

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Glass tubes were filled with different types of soil and placed in water as shown below:



34. What does the experiment prove about soil?

- 
35. Name the type of soil marked R.

- 
36. Mention the body organ that is used to identify colours.

- 
37. What is transpiration?

- 
38. State the type of teeth used by mammals to bite food.

- 
39. How are reptiles similar to amphibians?

- 
40. Give one reason why bees visit flowers.

### Section B (60 marks)

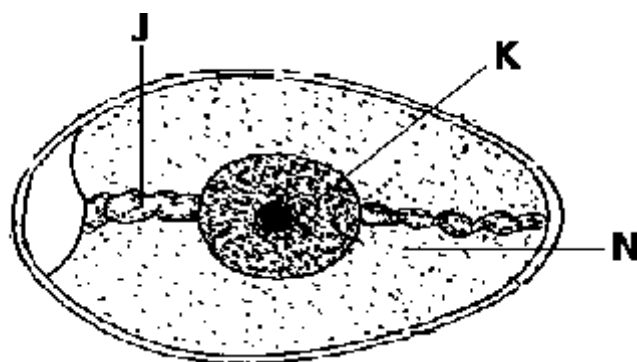
41(a) Identify any one type of stem.

(b) How can stems be useful to plants?

(c) Give one method used by plants to climb.

(d) Apart from getting enough sunlight, why do some plants climb others?

42. The diagram below shows parts on an egg. Study it and answer the questions that follow.



(a) Name the parts marked H and G.

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

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

(b) How is part marked J useful in an egg?

(c) Identify any one factor that can make an egg fail to hatch even if all conditions for hatching are present.

43(a) State one difference between an artery and a vein.

(b) How are arteries useful in our body?

(c) Which vein links the lungs to the heart?

(d) Why does blood from the heart go to the lungs before it is pumped to other body parts?

44(a) State any two types of cattle kept in Uganda today.

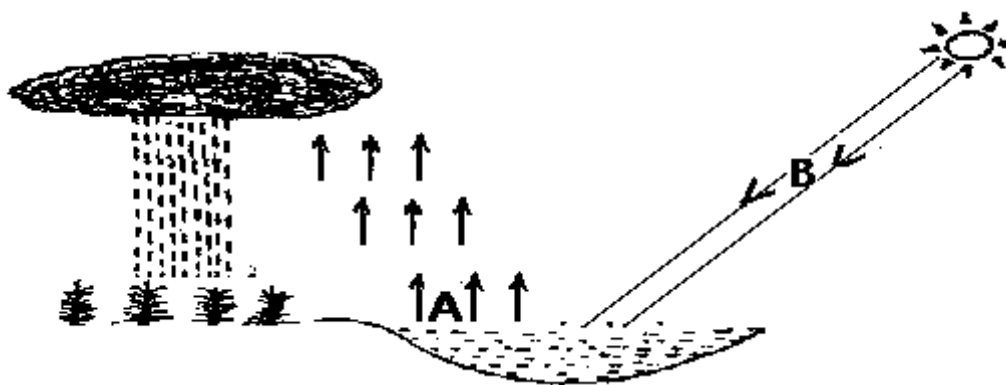
(i) \_\_\_\_\_

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

(b) How is a tail useful to cattle?

(c) Why do people in Uganda keep cattle?

45. The diagram below shows one of the natural processes that occur in nature. Use it to answer questions below.



- (a) Name the natural process illustrated above.

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- (b) What process takes place at A?

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- (c) How is the sun useful in the above process?

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- (d) Name one form of energy at B.

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- 46(a) What is mixed farming?

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- (b) Give a farming practice a crop farmer can use to control overcrowding of crops in the garden?

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- (c) State one material used by crop farmers as mulches.

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- (d) How can animals be used to solve the problem of soil exhaustion?

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- 47(a) What happens to food in the following parts during digestion?

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

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

- (b) How is the ileum adapted to food absorption?

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- (c) State one disorder of the digestive system.

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- 48(a) What is a drug?

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- (b). Give one example of a drug that can be abused.

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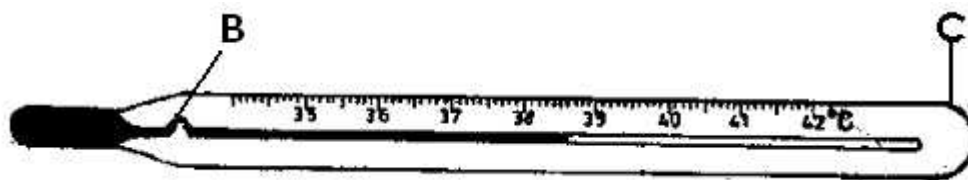
- (c) State one danger of abusing drugs.

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- (d) How can one avoid drug abuse?

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49. Use the diagram below to answer questions that follow.



(a) Name the above instrument.

(b) Which form of energy does the mercury in the instrument respond to?

(c) Why is part marked C made of clear glass?

(d) How is part marked B useful when using the above instrument?

50(a) To which group of animal kingdom does a sunbird belong?

(b) Why is a bat grouped under mammals yet it flies like a bird?

(c) How is having stream lined bodies useful to a bird?

(d) State one characteristic that makes a parrot different from man.

51(a) Write one accident that can be got on the way to school.

(b) Identify one cause of accidents at home.

(c) State what one can use so as to make an arm sling.

(d) Why is it important to tie a pulse point between the heart and a snake bite?

52(a) What is the difference between air and wind?

(b) Why do we need wind?

(c) Which property of air helps us to drink soda using a straw from a bottle?

(d) Why is carbon dioxide gas used to preserve bottle drinks?

53. The table below shows groups of foodstuffs in our daily meals. Study it and answer questions that follow.

Group A  
cassava  
sweet potatoes  
rice  
bananas

Group B  
cassava  
meat  
fish  
beans

Group C  
cassava  
beans  
fruits  
vegetables

group D  
oranges  
mangoes  
pineapples  
guavas

(a) Which group would you choose for your family?

\_\_\_\_\_

(b) Give a reason for your answer in (a) above.

\_\_\_\_\_

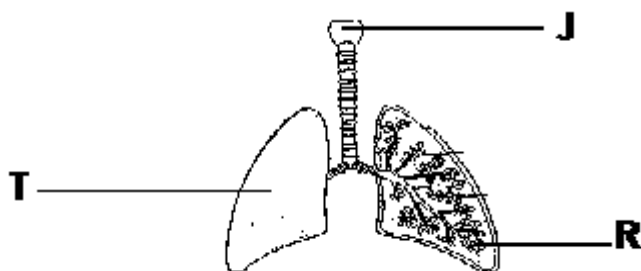
(c) Identify the class of food that would be missed by someone who eats foods in group A.

\_\_\_\_\_

(d) Name the disease that is most likely to affect someone feeding on foodstuff in group D only.

\_\_\_\_\_

54. The diagram below shows one of the systems in the human body. Use it to answer questions that follow.



(a) Which body system does the organs drawn above belong?

\_\_\_\_\_

(b) Name part marked T.

\_\_\_\_\_

(c) How is part marked R useful in the system?

\_\_\_\_\_

(d) How is part marked R adapted to its function?

\_\_\_\_\_

55(a) Name the intestinal worm that enters our body by boring through the skin.

\_\_\_\_\_

(b) What does tape worm feed on?

\_\_\_\_\_

(c) Mention one effect of tape infestation.

\_\_\_\_\_

(d) How can intestinal worms be controlled in human?

\_\_\_\_\_

END