



# LUWEERO DISTRICT ACADEMIC BOARD

## PRIMARY SEVEN TRIAL TEST 2023

### INTEGRATED SCIENCE

*Time Allowed: 2 Hours 30Minutes*

EMIS NO.					PERSONAL NO.		

Pupil's Name.....

School Name.....

Pupil's Signature.....

**Read the following instructions carefully.**

1. The paper has two sections **A** and **B**
2. Section **A** has **40** short questions (**40marks**)
3. Section **B** has **15** questions. (**60marks**)
4. All answers to questions in both section A and B must be written in the spaces provided below.
5. All answers must be written in **blue** or **black** ink.
6. Unnecessary alteration of work will lead to loss of marks
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the box labeled **"FOR EXAMINERS' USE ONLY"**.

FOR EXAMINERS' USE ONLY		
NO.	MARKS	INITIAL
1 - 10		
11 - 20		
21 - 30		
31- 40		
41 - 43		
44 - 66		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

**TURN OVER**

## SECTION A

1. Cite **one** example of an edible seed.  
.....  
.....
2. State the injury caused by hot plate to a human being.  
.....  
.....
3. Give **one** way in which moles benefit from the soil.  
.....
4. Name the process through which dew is formed.  
.....  
.....
5. Give **one** activity we can do to maintain cleanliness in a P.7 classroom apart from sweeping.  
.....  
.....
6. State the importance of BCG vaccine to children below one month.  
.....  
.....
7. State any one habitat of bees.  
.....  
.....
8. Give any **one** way of controlling rats in a potato garden.  
.....  
.....
9. Why is bottle feeding discouraged in babies?  
.....  
.....
10. Name one farming practice that leads to soil exhaustion.  
.....

11. In which organ of respiration do we find the alveoli?

.....  
.....

12. Give the difference between a filtrate and distillate.

.....  
.....

13. Why is a thermos flask able to keep cold liquids cold?

.....  
.....

14. Mention the major product obtained from Friesian cows.

.....  
.....

15. Why should you advise the school administration to include eggs on the menu of the breakfast?

.....  
.....

16. What causes high pressure of blood that moves through arteries?

.....  
.....

17. What does letter 'V' stand for in COVID-19?

.....  
.....

18. Which stage of a cockroach is dangerous to human beings?

.....  
.....

19. Why are mosquitoes a threat to human beings?

.....  
.....

20. When making ORS at home, it is important to stir the solution. Why?

.....  
.....

21. Define the term volume as used in measurements.

.....  
.....

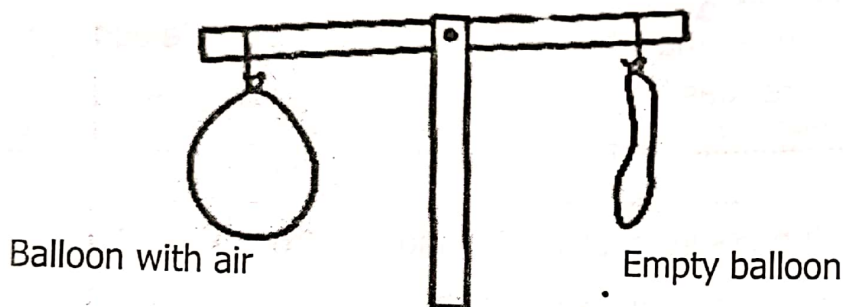


22. Describe the type of leaf shown below.



23. How does a fuse protect electric appliances from damage?

Use the diagram below to answer the question 24 and 25.



24. Which property of air is illustrated in the diagram above?

25. To which class of levers can you put the above scale?

26. Mention **one** habit that may affect the normal working of the skeletal system.

27. Name the deficiency disease that can lead to bow legs to a child.

28. Mention any **one** health problem that may affect a woman who has frequent pregnancies.

.....

.....

29. Which structure of a passion fruit enables it to climb others?

.....

30. How does mouth to mouth respiration save people's lives?

.....

31. Give any one need of an invalid person.

.....

.....

32. How does a snake move?

.....

33. Give any one factor that may lead to environmental degradation.

.....

.....

34. Differentiate between an eagle and a bat.

.....

.....

35. In which way are pollen grains similar to a sperm in man?

.....

.....

36. Why are electric wires fixed loosely on poles?

.....

.....

37. What happens to alcohol when it reaches the stomach?

.....

.....

38. How does oil reduce friction in moving parts of a machine?

.....

39. Of what role are fangs to a poisonous snake?

.....

40. In which body cavity are the kidneys located?

.....

.....

### SECTION B (60 MARKS)

41. (a) What is **fruit dispersal**?

.....

(b) Mention **two** characteristics of fruit dispersed by animals.

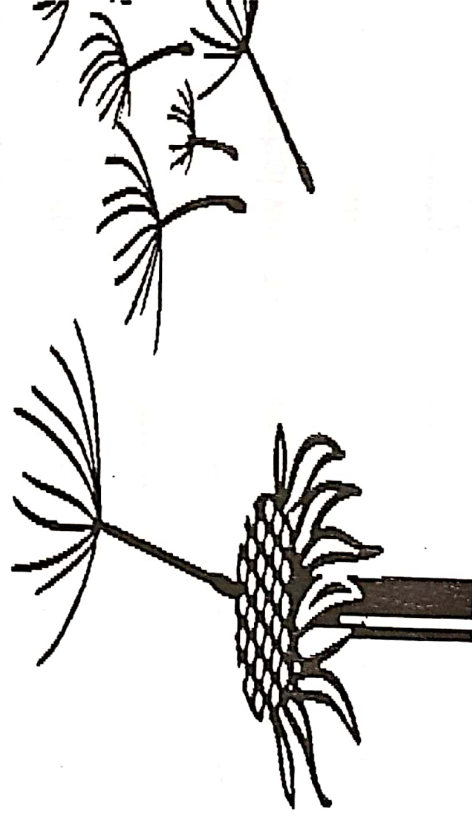
(i) .....

(ii) .....

(c) Name the agent that disperses the fruit below.

.....

.....





42. (a) What gas is set free during photosynthesis?

.....  
.....

(b) How do animals make use of the above gas?

.....  
.....

(c) Give the importance of light from the sun during photosynthesis.

.....  
.....

(d) What term is used to describe the process in which materials such as food are moved from leaves to other parts of a plant?

.....  
.....

43. (a) Mention any **one** group of vertebrates with a relatively constant body temperature regardless of temperature around.

.....  
.....

(b) What happens to the body temperature of a snake when the snake changes its habitat?

.....  
.....

(c) State **two** uses of snakes to man.

(i) .....

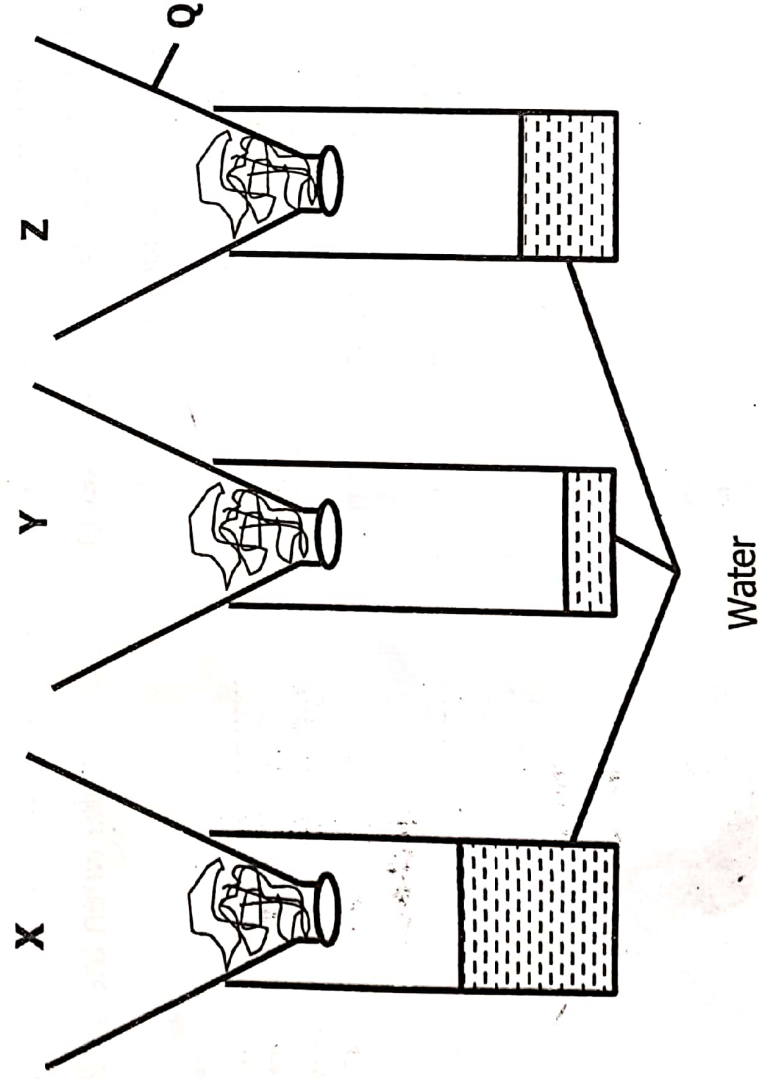
(ii) .....

.....  
.....

44. Complete the table below correctly.

Part of tooth	Function
Enamel	(i)..... ..... .....
(ii) .....	Carry digested food and oxygen
(iii).....	Fixes the tooth in the jaw bone
Pulp cavity	(iv) ..... ..... .....

45. The diagram below shows an experiment carried out by P.5 boys to test the capacity of soil hold water. Equal quantities of soil used.





(a) Name soil sample **Y**.

.....

(b) Name structure marked **Q**

.....

(c) Which sample of soil will the first drop of water be seen?

.....

.....

(d) Give a reason for your answer in (c) above.

.....

.....

46. (a) Why is the moon not regarded as a natural source of light?

.....

.....

(b) Give **two** examples of artificial sources of light.

(i) .....

(ii) .....

(c) How is light important to a camera man?

.....

.....

47. (a) State **three** signs of diseases in plants.

(i) .....

(ii) .....

(iii) .....

(b) Suggest any **one** way of controlling diseases in the garden.

.....

.....

48. Use the list of diseases to answer the questions that follow.

**Diphtheria, Tetanus, lung cancer, cholera**

(a) Which of the above diseases are associated with respiratory organs?

(i) .....

(ii) .....

(b) How is tetanus spread?

.....

.....

(c) What advice can you give to your friends to prevent him from getting cholera?

.....

.....

49. Mukoma has rabbits, cows, goats and chicken on his farm.

(a) Identify **two** animals which are likely to suffer from coccidiosis.

(i) .....

(ii) .....

(b) Suggest **two** reasons why people rear the above animals.

(i) .....

(ii) .....

50. (a) State any **two** ways in which bacteria can be spread.

(i) .....

(ii) .....

(b) Suggest any **two** activities communities can do to stop the spread of bacteria.

(i) .....

(ii) .....

51. Two mugs, a metallic and plastic one with hot porridge were put on a metallic table.

(a) In which mug will the porridge cool faster?

.....  
.....

(b) Give a reason for your answer.

.....  
.....

(c) State **two** ways the metallic mug loses heat.

(i) .....

(ii) .....

52. a) Why do farmers keep broilers?

.....  
.....

(b) Give a reason why poultry keeping is useful to vegetable growers in Kikyusa.

.....  
.....

(c) State any **two** advantages of battery system of keeping poultry.

(i) .....

(ii) .....

53. a) Give **two** ways we can prevent iron sheets from rusting.

(i) .....

(ii) .....

(b) What type of change is rusting?

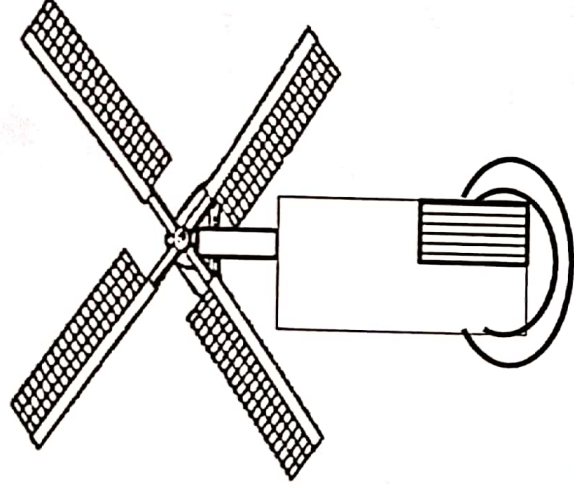
.....  
.....

(c) State any **one** effect of rusting to garden tools.

.....  
.....



54. Below is a machine used to satisfy man's needs. Use it to answer questions.



(a) Name the machine.

(b) State the energy resource that enables the above machine to work.

(c) Give **two** uses of the above machine.

(i)

(ii)

55. (a) Define the term "enzymes"

(b) Write down **two** characteristics of enzymes.

(i)

(ii)

(c) How important is the colon during the digestion process?