

**NAMUTUMBA TOWN COUNCIL ACADEMIC BOARD
(NATCAB)
PRIMARY SEVEN MOCK EXAMINATIONS 2024
INTEGRATED SCIENCE**

Time allowed: 2 Hours 15 Minutes

	EMIS NO.						PERSONAL NO.		
Index 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. All the working for both sections A and B must be shown in the spaces provided.
3. All working must be done using a blue or black ball point pen or fountain pen. Any work done in pencil other than graphs, pictures and diagrams will not be marked.
4. No calculators are allowed in the examination room.
5. Unnecessary changes of work may lead to loss of marks.
6. Any hand writing that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the boxes indicated "For Examiners' Use Only".

FOR EXAMINERS' USE ONLY		
QN. NO	MARKS	SIGN
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A

Turn over

1. Name the common accident caused by steam.

2. Give any one way people promote food hygiene.

3. How is the bulb of an onion useful to a crop farmer?

4. How does proper sanitation help to control communicable diseases?

5. State the importance of adding proteins in the diet of a sick person.

6. Name any one item used to promote oral hygiene.

The diagram below show a type of teeth used it to answer question 7.



7. How is the above tooth adapted to its function?

8. How is food and nutrition an important element of Primary Health Care?

9. Give a reason why objects thrown up come down on earth.

10. Identify the step in making ORS that prevents contamination of the solution.



11. How is castration important on a cattle farm?

12. State the way bacteria helps in soil formation.

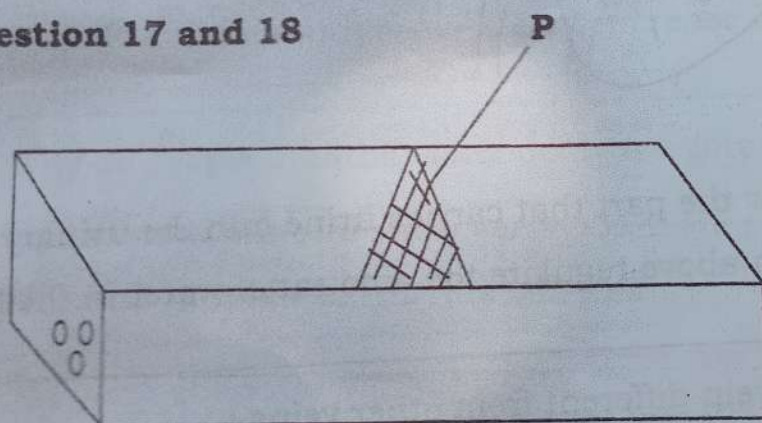
13. Apart from controlling malaria, give any other reason why people remove broken bottles from the compound.

14. Give any one way of caring for birds at home.

15. State one way of preventing dangers caused by lightning to people.

16. Which element of weather helps in the preservation of cassava?

The diagram below shows a modern bee hive, use it to answer question 17 and 18



17. Name the structure marked P

18. How does the structure marked P contribute to the cleanliness of honey?

19. Give any one way animals benefit from plants.

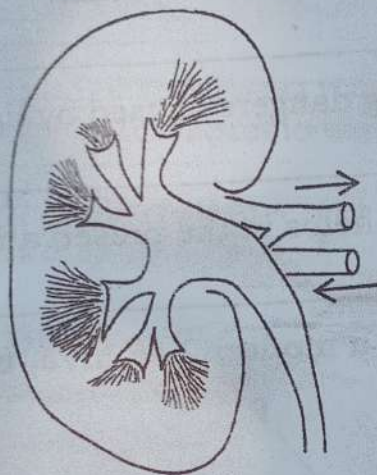
Turn over

20. Give any one application of air exerts pressure in our daily life.



21. How are mammals similar to reptiles in terms of reproduction?

Use the diagram of the human organ below to answer question 22 and 23.



22. Use letter P to show the part that carries urine into the urinary bladder.

23. How does the organ above regulate the amount of water in the blood?

24. How is pulmonary vein different from other veins?

25. Why do farmers carry out seed selection before planting?

26. How can people control hook worm infestations?

27. Why are pregnant girls of child bearing age given tetanus toxoid vaccine?

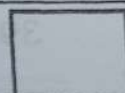
Turn over

28. Which characteristic of living things enable them to increase in number?

29. Apart from the ovary, name any other part of a flower that develops into a fruit.

30. How can staining of clothes be prevented in laundry?

31. How can proper ventilation be improved on a rabbit hutch?



32. Why is the handle of the iron box made of wood?

33. Give any one way how Irish potatoes are harvested.

34. How do animals with exo skeleton increase in size or grow?

35. Why do people breathe faster doing a vigorous exercise?

36. Apart from keeping the body warm, give any other importance of fats.

37. Why are shadows not formed by transparent objects?

38. In which part of the kidney does filtration of blood take place?

The diagram below is of an instrument used on a cattle farm. Use it to answer question 39



39. Name the instrument shown above.

40. Give any one source of direct current electricity.

SECTION B

41. a) Give any two ways vectors spread diseases to people.

i) _____

ii) _____

b) Write two ways of controlling diseases spread by vectors to people.

i) _____

ii) _____

42. a) How do bacteria reproduce?

b) Give any two processes that take place as a result of action of bacteria

i) _____

ii) _____

c) State any one danger caused by bacteria

Turn over

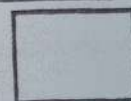
43. a) What are tuber crops?

b) How are the crops below grown.

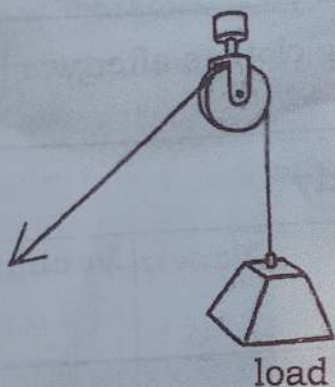
i) Irish potatoes

ii) cassava

c) Give any one example of science oriented club in schools.



44. The diagram is of a simple machine, use it to answer questions that follow.



a) Name the above simple machine.

b) How does the above simple machine simplify work?

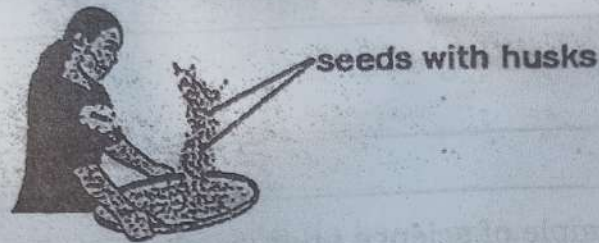
c) Write one way of reducing friction in the above simple machine.

d) How is the above simple machine important at school?

- a) Give one nutritional value of the sun to a human body.

Turn over

The diagram below shows an activity in our daily life. Use it to answer question a, b and c



- b) Identify the energy resource that supports the above activity.

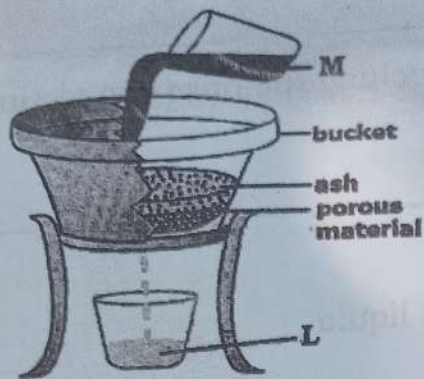
- c) How useful is the energy resource you have identified above to the laundry?

- d) Give one reason for drying clothes after washing.

45. Complete the table correctly

Disease	Vaccine
Tuberculosis	_____
_____	HPY
Haemophilus influenza	_____
_____	TT

46. The diagram below shows the process of making salt from plant materials. Use it to answer questions a and b.



a) Name material

i) M _____

ii) L _____

b) Write down the first two steps involved in making salt as shown in the diagram.

i) _____

ii) _____

47. a) Apart from stroking, give any other method of magnetization which does not involve the use of electricity.

b) State any one way of strengthening an electromagnet.

c) Name any one device that uses electro-magnet.

d) What happens when a magnet is left to rust?

48. a) What does the term fever mean?

b) Suggest one major cause of fever.

c) Why should tepid sponging of a person with fever begin from the head?

d) What is the importance of pinching the nose of a victim of nose bleeding?

49. a) Give any one effect of heat on liquid.

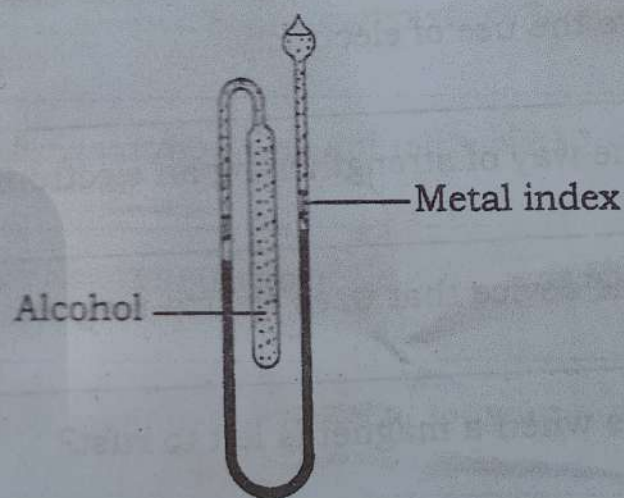
b) What happens to the following when water turns in ice (frozen)

i) volume _____

ii) mass _____

c) State any one use of heat energy in our daily life.

50. The diagram below shows a weather instrument use it to answer questions that follow.



a) Name the weather instrument shown in the diagram above.

b) Why is alcohol used to measure the minimum temperature?

c) How is the above weather instrument reset?

d) Which property of a magnet is used to reset the above instrument?

51. a) Which type of soil erosion that caused deep channels in the land?

b) Give any two causes of soil erosion.

i) _____

ii) _____

c) State any one effect of soil erosion.

52. a) Write any one example of the following types of drugs

i) essential drug _____

ii) drugs of dependence _____

b) Give any one important factor considered when prescribing drugs.

c) Apart from wrong dose, state any other way of misusing drugs.

53. a) Name the sense organ for feeling.

b) Which deficiency disease affects the sense organ for feeling?

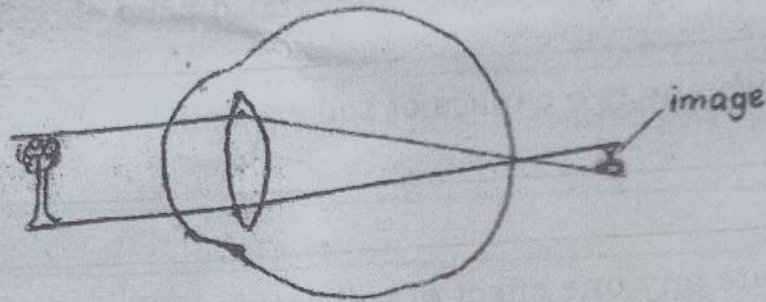
c) State any one way how the following help in the proper functioning of body organs;

i) physical exercise _____

ii) feeding on a balanced diet _____

Turn over

54. The diagram shows an eye defect. Use it to answer the questions that follow.



a) Name the eye defect shown above.

b) Give a reason to support your answer in (55a) above.

c) Which lens is used to correct the eye defect illustrated above?

d) Write any other example of an eye defect.

GOOD LUCK