



# ENTEBBE MUNICIPAL COUNCIL

## PRIMARY SCHOOLS MOCK EXAMINATION-2024

### INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 minutes

Index No. :

Random No.						Personal No.		

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

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

School ID No.

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**Read the following instructions carefully:**

1. Do not write your School name anywhere on this paper.
2. This paper has two sections; A and B. Section A has 50 questions and section B has 5 questions. The paper has 15 printed pages altogether.
3. Answer all questions. All answers to both sections A and B must be written in the spaces provided.
4. All answers must be written using a blue or black ball point pen or ink. Any work written in pencil will not be marked.
5. Unnecessary changes in your work, and any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the box indicated:
7. "For Examiners' use only" and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
1 - 10		
Total		

Turn Overleaf

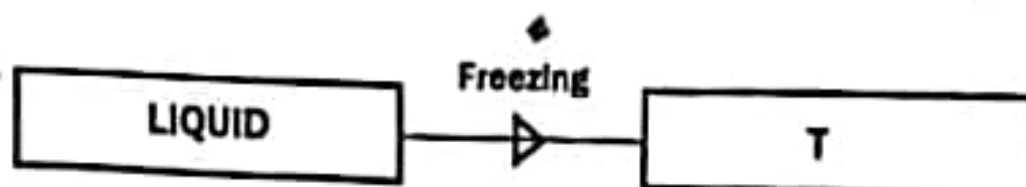
**SECTION A: (40 MARKS)**

*Question 1 to 40 carry one mark each*

1. Name the vector that spreads river blindness to people.

2. State the function of the endosperm of a maize grain.

The diagram below shows a change in state of matter. Use it to answer questions 3 and 4.



3. What is the state of matter at T?

4. Mention the process in which state T changes back to liquids.

5. Agaba fell and fainted during a health parade. Give a reason why his legs were raised as he was made to rest in a sickbay.

6. State the type of change that takes place when a razorblade rusts.

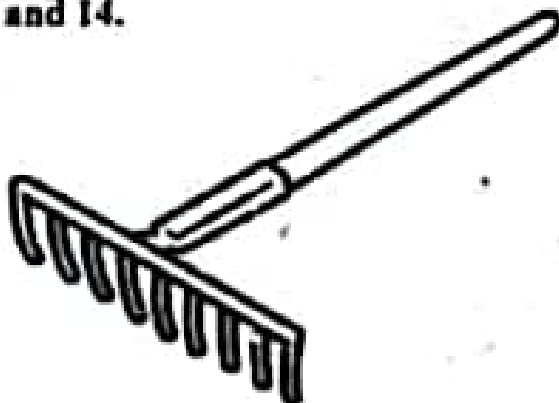
7. What type of natural manure can be got from animal wastes?

The diagram below shows a plant with a weak stem. Study and use it to answer questions 8 and 9.



8. Name the plant structure marked P
- 
9. Give a reason why plants with weak stems climb others.
- 
- 
10. Apart from getting food, how else do birds benefit from trees in the environment?
- 
- 
11. Which type of lens is used in a magnifying glass?
- 
- 
12. Apart from magnifying glasses, state any one other example of an optical instrument that uses a lens.
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- 
13. Ringworm is a communicable disease, how does it spread among children in a boarding school?
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- 
14. State the common method used when finding the volume of irregular objects.
- 
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Below is a diagram showing a common garden tool. Study and use it to answer questions 13 and 14.



15. Name the garden tool drawn in the diagram.
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16. Apart from being used for collecting weeds and rubbish, how else can a farmer use the garden tool above?

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17. Which part of the body is protected by the vertebral column?

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18. Avocados are common fruits in the market. Give a reason why an avocado fruit is classified as a drupe?

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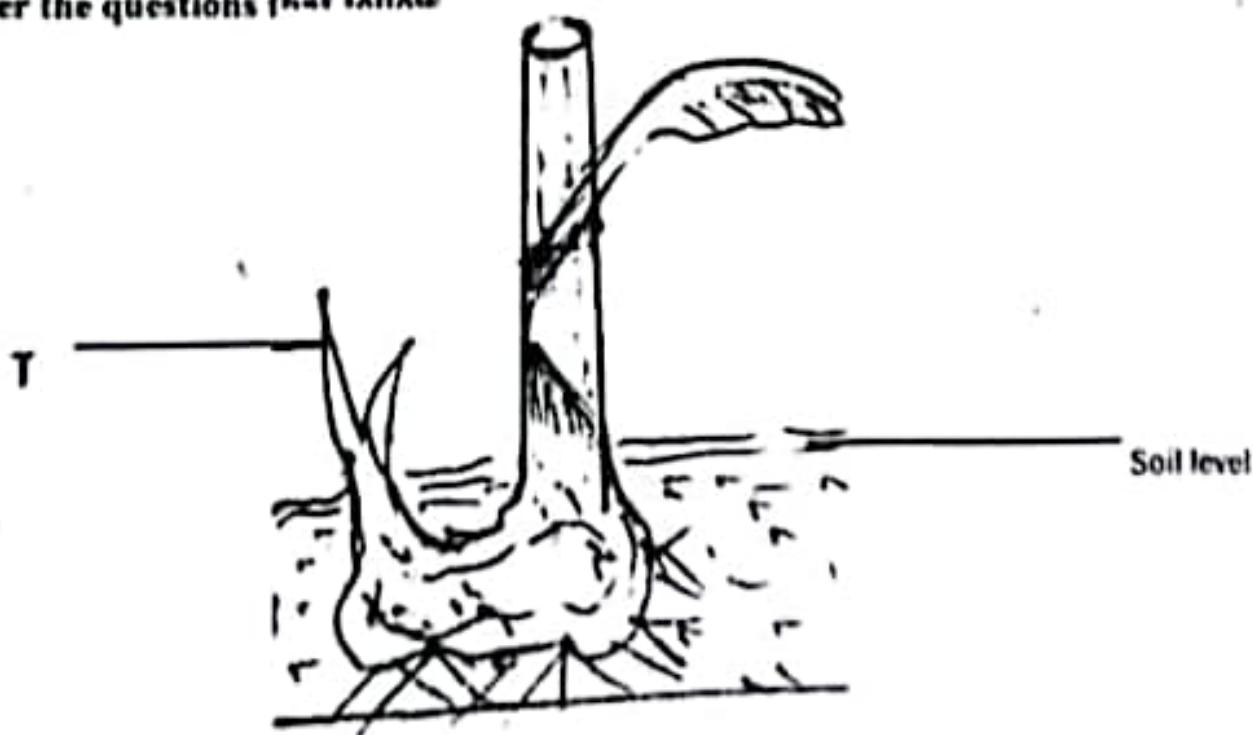
19. Give a reason why water drains faster in sand soil than clay soil.

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20. Which group of invertebrates have segmented bodies and jointed legs?

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The diagram below shows a common plant in our environment. Study and use it to answer the questions that follow.



21. Name the part of the plant marked T.

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22. Give a reason why farmers cut off the leaves of the plant drawn above before planting it.
- 
- 
23. Why does a nail sink when placed in a basin full of water?
- 
- 
24. Weeds are plants that grow in a place where they are not wanted. Give any one danger of weeds in a garden of crops.
- 
- 
25. Kato's uncle is an electrician. Give a reason why he wears rubber gloves while installing electricity.
- 
- 
26. Fish are common animals found in water bodies. State one reason why fish are able to live in water.
- 
- 
27. Kidneys help to filter blood in humans. Mention any one substance being removed from the kidneys.
- 
- 
28. A food chain is the interdependence of living things in the environment. Give a reason why plants are referred to as producers in a food chain.
- 
- 
29. Colostrum is said to be the first milk produced by a cow after calving. How is it important to a calf?
- 
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30. State any one characteristic of birds of prey.

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31. How are cassava plants propagated?

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32. Give a reason why water obtained by distillation is not good for drinking.

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The diagram below shows a simple machine used by electricians. Study and use it to answer questions 33 and 34.



33. To which class of simple machines does the item drawn above belong?

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34. Using letter "P", show the position of the fulcrum with an arrow on the diagram.

35. Mention the type of immunity babies get from their mothers.

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The diagram below shows an item used in sporting activities. use it to answer questions 36 and 37.



36. Name the item drawn in the diagram.

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37. To which group of musical instruments does the above item belong?
38. Richard is a cattle farmer rearing local breeds of cattle. Give any one way he can control breeding of poor-quality animals on his farm.
39. To which state of matter does carbon dioxide belong?
40. State one property of magnets?

**SECTION B: (60 MARKS)**

41.a) What is food?

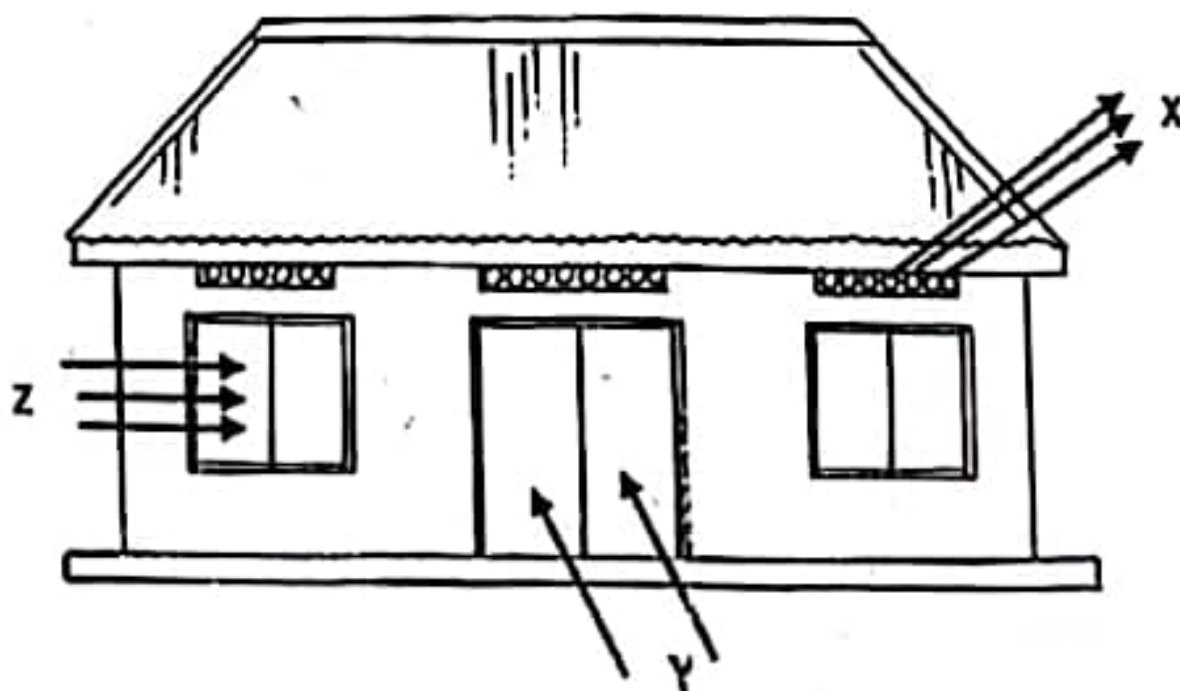
b) Mention any two uses of food in the human body.

(i)

(ii)

c) Identify any one deficiency disease that affects the limbs in children.

The diagram below shows a human basic need. Study and use it to answer the questions that follow.



42.a) Name the best soil used for constructing the above shelter.

b) State the importance of part Y in the house.

c) Why is part X placed above the door?

d) Apart from letting in fresh air into the house, how else are windows useful in the shelter above?

43.a) What are crop pests?

b) Identify any two examples of crop pests that damage crops in the food store.

(i)

(ii)

c) Give any one way of controlling root tuber crop pests.

The table below shows vectors and the diseases they spread. Carefully correspond the vectors to the diseases.

**VECTOR**

**DISEASE SPREAD**

Rabid dogs

sleeping sickness

Rat fleas

Trachoma

House flies

Rabies

Tsetse flies

Bubonic plague

44. (i) Rabid dogs

(ii) Rat fleas

(iii) House flies

(iv) Tsetse flies



45. Below are the steps followed when harvesting honey in their wrong order.
- cut the honey combs
  - smoke the hive
  - open the hive
  - lower the hive

Re-arrange the given steps in their correct order.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (iii) \_\_\_\_\_
- (iv) \_\_\_\_\_

46. Personal hygiene is the general cleanliness of the body and the things we use.

a) Give any one activity that promotes oral health.

\_\_\_\_\_

b) Mention any one danger of eating a lot of sweets in children.

\_\_\_\_\_

c) Write any two activities done by P.7 candidates to promote personal hygiene.

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

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

- 47.a) To which class of vertebrates do toads belong?

\_\_\_\_\_

b) How are tadpoles similar to fish in terms of breathing.

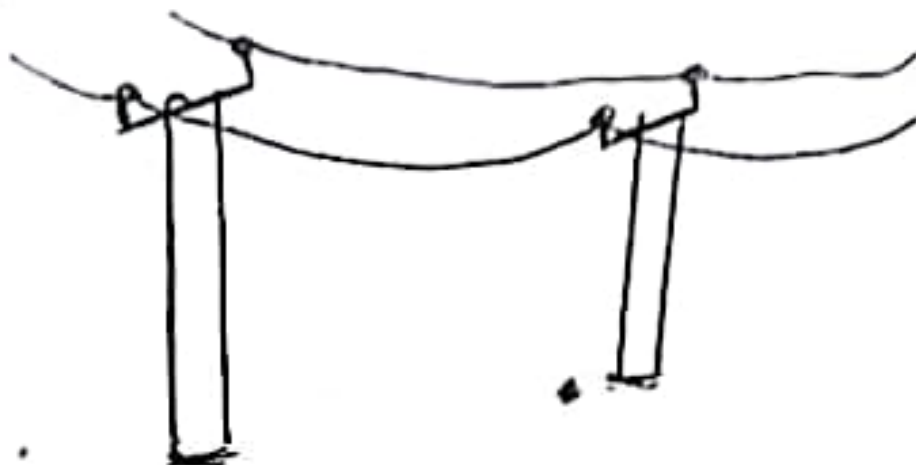
\_\_\_\_\_

c) Apart from toads, give any other two examples of amphibians.

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

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

Below is a diagram showing electric wires. Study and use it to answer the questions that follow.



50. a) Which type of weather makes the electric wires appear the way they are in the diagram above?

b) Why are electric wires fixed loosely between the poles?

c) State any two effects of heat on matter.

(i)

(ii)

51. Plants are green living things in the environment.

a) State one way plants depend on animals in the environment.

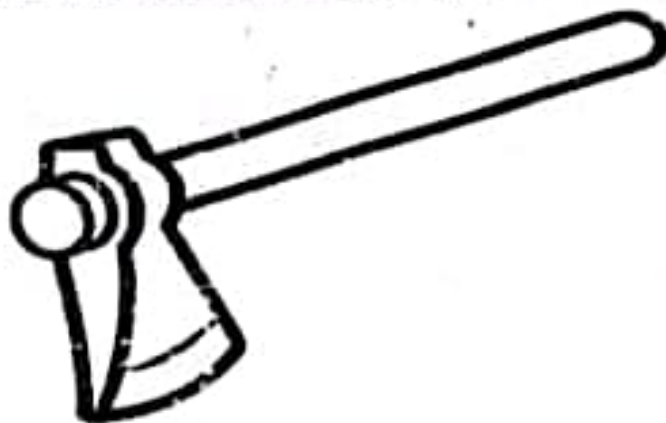
b) Apart from obtaining food, mention any two ways animals benefit from plants.

(i)

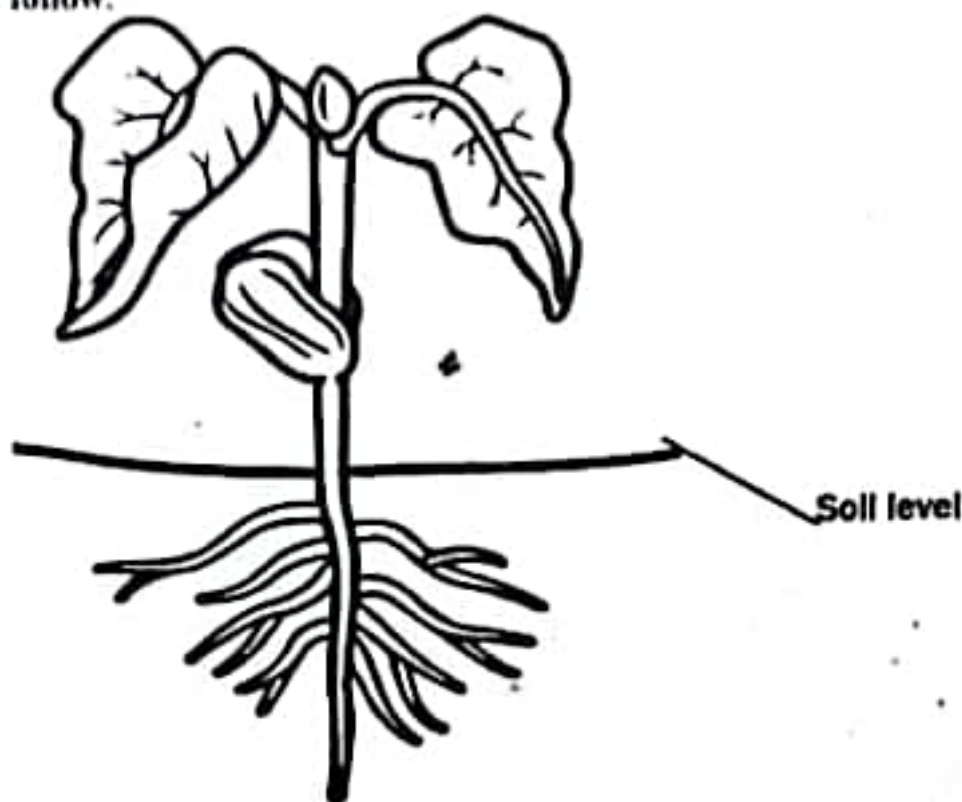
(ii)

c) Mention any one way animals depend on other animals.

Below is a common tool found at home. Study and use it to answer the questions that follow.



Below is a diagram showing a germinating seed. Study and use it to answer the questions that follow.



48.a) What type of germination is shown in the diagram above?

b) Which group of flowering plants undergo the type of germination shown above?.

c) How do flowering plants reproduce?

d) Why are bean plants classified as flowering plants?

49.a) How do bacteria reproduce?

b) Give any one way in which bacteria are useful in the environment.

c) Mention any two childhood immunisable diseases caused by bacteria.

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

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

52.a) To which group of simple machines does the tool above belong?

b) State any one use of the tool drawn above at home.

c) Apart from an axe, give any other two examples of tools with sharp edges.

(i)

(ii)

53.a) Apart from planting grass and trees, how else can soil erosion be controlled in the school compound?

b) Why do farmers in hilly areas terrace their land?

c) How does mulching help to control soil erosion in gardens?

d) Besides mulching, how else can soil erosion be controlled in gardens?

54.a) Metals often rust when not painted, how does painting help to prevent rusting in metals.

b) Write the conditions that lead to rusting of metals.

(i)

(ii)

c) Mention any one effect of rusting to metals?

55. Sleeping under treated mosquito nets prevents us from mosquito bites.

a) Give any other two ways of preventing the spread of malaria at home.

(i)

(ii)

b) How does clearing bushes around homes help to prevent the spread of malaria at home?

c) Give any one characteristic of female anopheles mosquito in spreading malaria.

\*\*\*\*THE END\*\*\*\*