

MASINDI MUNICIPAL COUNCIL SCHOOLS

PRIMARY LEAVING MOCK ASSESSMENT, 2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random No.	Personal No.

Candidate's Name:

Candidate's Signature:

District ID No:

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Read the following instructions carefully:

1. Do not write your school or district name anywhere on this paper.
2. This paper has two sections: A and B. Section A has 40 questions and Section B has 15 questions. The paper has 12 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 other than graphs and diagrams will not be marked.
5. Unnecessary changes in your work and handwriting that can not easily be read may lead to loss of marks.
6. Do not fill anything in the table indicated: "For Examiners' Use Only" and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	Marks	EXR'S NO.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

1. How does regular washing of the beddings promote human health?

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2. Which plant process occurs when butterflies visit them?

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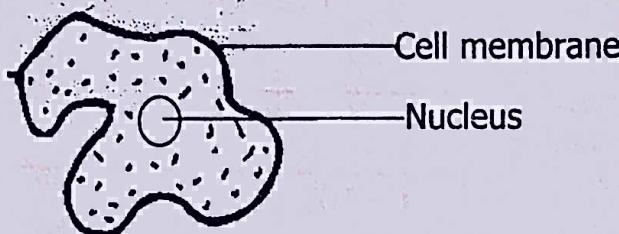
3. Why are the handles of a flying pan usually made of wood?

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4. Give any one way mulching conserves the quality of soil.

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The diagram below shows a component of blood. *Study and use it to answer questions 5 and 6.*



5. Which component of blood is shown in the diagram above?

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6. Why is the above blood cell able to engulf and kill germs?

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7. Give any one way of clearing the land for crop growing.

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8. Apart from prescribing drugs, state any one way of preventing poisoning at home.

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9. Why do commercial farmers prefer rearing exotic breeds of poultry?

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10. How does a child health card help to monitor the growth of a baby?

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11. Why does a seed testa swell when water enters during germination?

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12. What is the importance of keeping records about weather conditions at the weather station?

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13. Give any one factor which makes bees move from one hive to another.

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14. How does application of manure in crop gardens ensure continuous food production?

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15. State the benefit of leaving the squat hole of a VIP latrine open.

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16. Which type of cattle provides cheap labour on farms?

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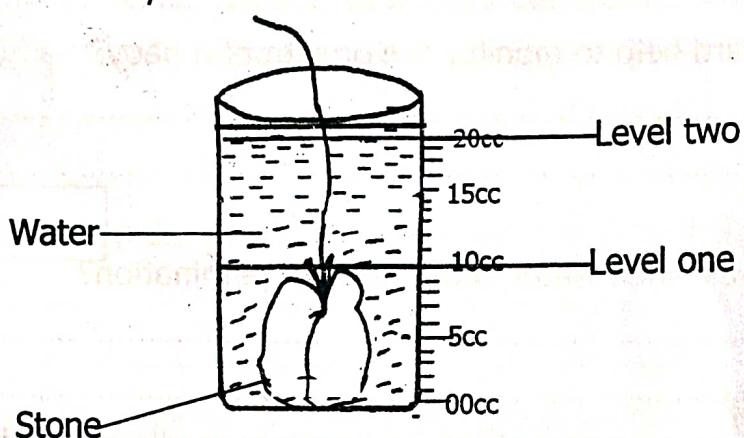
17. State any one indicator of bad food.

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18. Which chemical change adds iron in the soil?

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The experiment below is about freely volume of irregular object. Study and use it to answer questions 19 and 20.



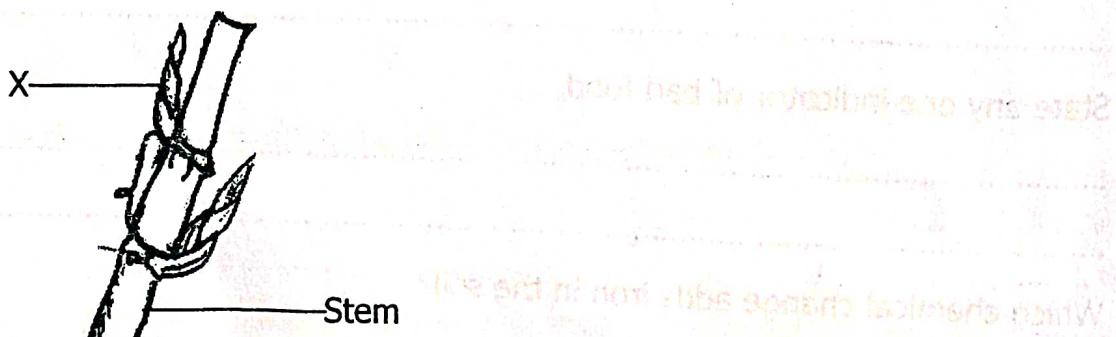
19. Why does the water level rise in the container as shown above?

20. How much water was displaced by the stone?

21. How do crop farmers ensure proper spacing in their cassava gardens?

22. Why should one consider the colours of clothes before soaking?

The diagram below shows part of a sugarcan plant. Study and use it to answer questions 23 and 24.



23. State the function of part X to a sugarcan plant.

24. Give any one plant propagated in the same way as sugarcane.

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.....

25. State any one reason why digestion of proteins cannot occur in the mouth.

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.....

26. What happens when plant and animal matter are acted on by anaerobes in a biogas digester?

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27. Write down any one health care service pregnant mothers get through ante-natal care.

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28. How do insulators promote safety when using electricity?

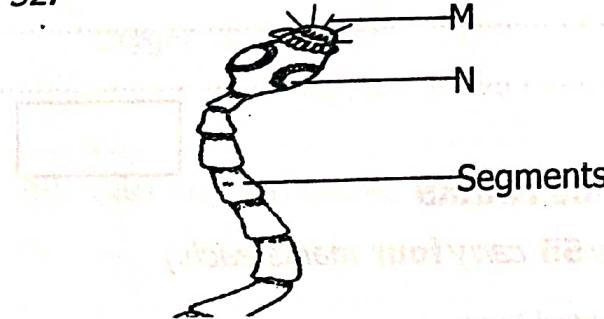
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29. Which breed of sheep provides good quality wool?

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30. What causes movement in the human body?

The diagram below is of a worm. Study and use it to answer questions 31 and 32.



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31. State the function of the structures marked M to the above worm.

32. Give any one way the above worm enters the human body.

33. What happens to a beam of light when it falls on a frosted glass?

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34. Which type of change emits light or heat in the environment?

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.....

35. Give any one importance of using biogas energy in the environment.

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36. Why is the eggshell able to allow gaseous exchange in an egg during incubation?

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37. How do frogs safeguard their eggs against predators?

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38. State any one benefit of using modern beehives to keep bees.

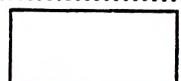
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39. How does planting trees control soil erosion in the environment?

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40. Why is the pinna able to effectively collect sound waves from the environment?

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SECTION B: 60 MARKS

(Questions 41 to 55 carry four marks each.)

41. (a) Name the group of birds with webbed toes.

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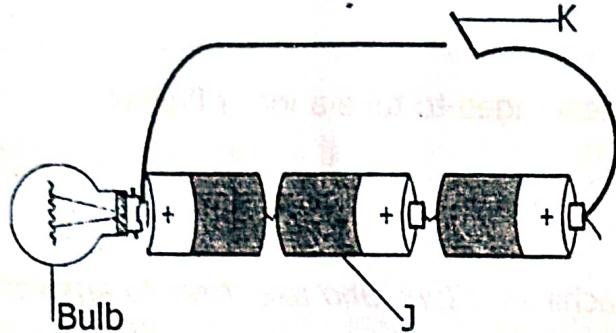
(b) State the importance of the webbed toes to the birds mentioned above.

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.....

(c) Give any two similarities between eagles and crows.

- (i).....
.....
(ii).....
.....

The diagram below shows a circuit. *Study and use it to answer questions that follow.*



42. (a) Name the parts marked;

- (i) J
-
(ii) K
-

(b) Why is the bulb unable to produce light when part K is closed?

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.....

(c) State the function of the part marked J in the circuit.

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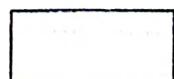
43. (a) Which condition occurs in the human body due to insufficient supply of oxygen to the brain?

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.....

(b) Give any two causes of insufficient supply of oxygen to the brain.

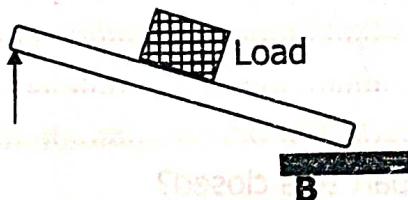
- (i).....
.....
(ii).....
.....

(c) How can one ensure enough oxygen supply to the brain?



44. (a) State the function of amniotic fluid during pregnancy.
- (b) Give any two signs of pregnancy among human beings.
- (i).....
- (ii).....
- (c) Why are pregnant mothers encouraged to take a lot of fluids?

The diagrams below are simple machines. *Study and use them to answer questions that follow.*



45. (a) Name the simple machine marked;

(i) **A**

(ii) **B**

- (b) State the similarity between machine **A** and **B**.

- (c) How does machine **A** simplify work?

46. (a) Which component of the soil results from the decomposition of dead matter?

(b) How do earthworms aerate the soil?

(c) Give any two uses of water in the soil.

(i).....

(ii).....

47. (a) Which type of pollination occurs in groundnuts?

(b) How are some insects able to locate flowers at night?

(c) Give any two features of cross pollinated flowers.

(i).....

(ii).....

48. (a) Name the disease which leads to contagious abortion in cattle.

(b) Give any two effects of parasites on a cattle farm.

(i).....

(ii).....

(c) What is the use of acaricides to a cattle farmer?

49. (a) What is the immediate effect of excessive diarrhoea to the human body?

(b) How do earthworms aerate the soil?

.....
.....

(c) Give any two uses of water in the soil.

(i)

.....

(ii)

.....

47. (a) Which type of pollination occurs in groundnuts?

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(b) Give any two effects of parasites on a cattle farm.

(i)

.....

(ii)

.....

(c) What is the use of acaricides to a cattle farmer?

.....
.....

49. (a) What is the immediate effect of excessive diarrhoea to the human body?

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.....

(b) Why do diarrhoea patients pass out very little urine?

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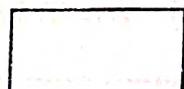
(c) How do the following substances improve the health of person with diarrhoea;

(i) Water?

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.....

(ii) Sugar?

.....
.....



Use the table below to answer the questions that follow.

X	Y	Z
Uric acid	Excess water	Carbon dioxide
urea	Lactic acid	Water vapour
Excess water		

50. (a) What general term is given to substances in X?

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.....

(b) Which process helps the body to eliminate substances in Z?

.....
.....

(c) How are the substances in the table similar?

.....
.....

(d) Why does the human body eliminate the above substances?

.....
.....

51. (a) State the benefit of planting crops at the beginning of rains.

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.....

(b) Give any two planting materials.

- (i).....
.....
(ii).....
.....

(c) Why do crop farmers usually transplant their seedlings in the evening?

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52. (a) Which part of air do plants use for the following purposes;

(i) Making proteins?

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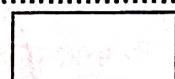
(ii) Photosynthesis?

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(b) Apart from making food, give any two ways plants depend on air in the environment.

(i).....
.....

(ii).....
.....



53. (a) What causes lung cancer among human beings?

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(b) Give any two infectious diseases which affect the human respiratory system.

(i).....
.....

(ii).....
.....

(c) Why are laborers who work in milking factories advised to always wear face masks?

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54. (a) How does fish rearing control vectors in the environment?

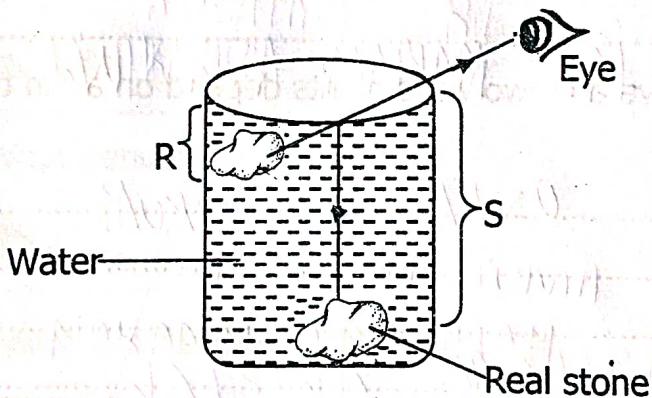
(b) Apart from fish rearing, give any two ways of controlling vectors in the environment.

(i)

(ii)

(c) What should be done to the rubbish in the compost pit when full?

Study the diagram below and answer the questions that follow.



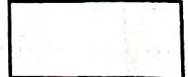
55. (a) Name the depths marked;

(i) R

(ii) S

(b) Why does the stone appear nearer to the surface when viewed from water?

(c) Which property of light is shown in the diagram above?



END