

MBARARA DISTRICT ACADEMIC BOARD

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:

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. Give one way a porcupine defends itself when threatened?

.....
.....
.....

2. State any one way animals benefit from agroforestry in the environment.

.....
.....
.....

3. How do farmers ensure proper ventilation in a rabbit hutch?

.....
.....

4. Which part do anopheles mosquitoes use to introduce plasmodia germs into the human body?

.....
.....

5. Why do blood vessels come closer to the surface of the skin during hot weather?

.....
.....

6. What happens to a ray of light when it moves from air to water?

.....
.....

The diagrams below are about waste management. Study and use them to answer questions 7 and 8.



Name the containers shown in the diagrams above.

8. How do the above containers improve human health?

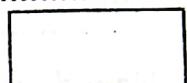
.....
.....
.....

9. State the importance of litter in a poultry house.

.....
.....
.....

10. Why are arteries able to withstand the greater pressure of blood flowing through them?

.....
.....
.....



11. How do plastic materials cause soil exhaustion?

.....
.....
.....

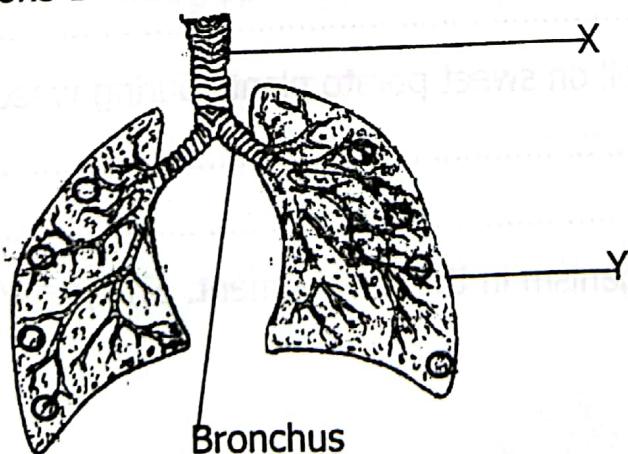
12. Give any one sign of heat among cattle.

.....
.....
.....

13. Why are liquid substances able to take the shape of the containers in which they are put?

.....
.....
.....

The diagram below shows a respiratory organ. Study and use it to answer questions 14 and 15.



14. What is the role of part marked X in the human body?

.....

15. Why is the organ marked Y able to carry out gaseous exchange?

.....
.....
.....

16. State any one way of preventing athlete's foot among human beings.

.....
.....
.....

17. What should be done to the solid food materials before they are given to babies who are being weaned?

.....
.....
.....

18. How does health education improve health in a community?

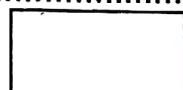
.....
.....
.....

19. Why should all members of the community get involved in health activities?

.....
.....

20. How does re-afforestation sustain plant resources in the environment?

.....
.....
.....



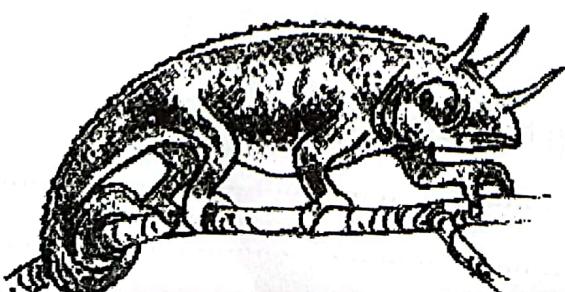
21. Give any one way a school health committee promotes cleanliness in school.

.....
.....

22. State any one benefit of piling soil on sweet potato plants during weeding.

.....
.....
.....

The diagram below shows an organism in the environment. *Study and use it to answer questions 23 and 24.*



23. Give any one way the above organism is adapted to feeding on insects.

.....
.....

24. What is the importance of the above organism in the environment?

.....
.....

25. State any one use of hydrochloric acid in the stomach.

.....
.....

26. How does over cultivation lead to soil erosion?

.....
.....

27. Give one way timely harvesting controls crop pests.

.....
.....

28. How do dry clean containers ensure safety of drugs during storage?

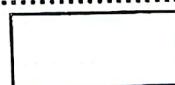
.....
.....

29. Which part of the hive prevents the queen bee from contaminating honey with eggs?

.....
.....

30. What is the use of a Digital Versatile Disc (DVD) player to a musician?

.....
.....



31. Give any one way a child health card helps doctors to monitor the growth of the baby.

.....
.....

32. Which breed of sheep is kept for its good quality wool?

.....
.....

33. Why are mothers advised to always include cassava in the diet of their babies?

.....
.....
.....

34. Name any one water impurity in the environment.

.....
.....
.....

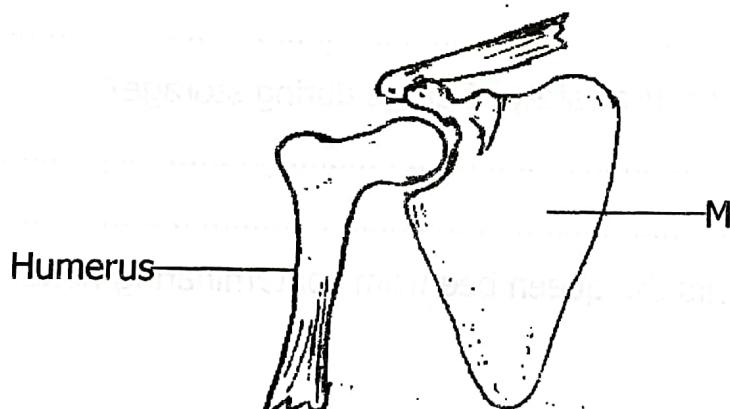
35. Mention the use of a windmill in the environment?

.....
.....
.....

36. State the benefit of using properly insulated wires during installation.

.....
.....

The diagram below shows a bone of the human body. *Study and use it to answer questions 37 and 38.*



37. Name the bone marked M on the diagram above.

.....
.....
.....

38. Give any one function of bones in the human body.

.....
.....
.....

39. How does friction reduce the efficiency of pulleys?

.....
.....
.....

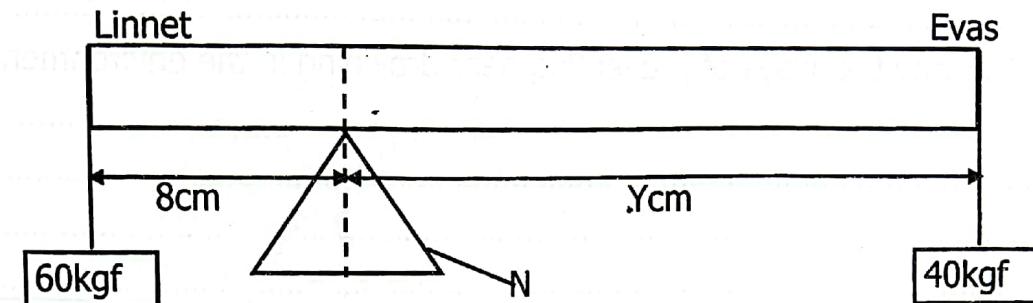
40. State the danger of eating raw meat to the human body.

.....
.....
.....

SECTION B: 60 MARKS

(Questions 41 to 55 carry four marks each.)

The diagram below shows Linnet and Evas balancing on a seesaw. *Study and use it to answer the questions that follow.*



41. (a) What is the function of the part marked N when using the above machine?

(b) How far was Linnet sitting away from Evas? (03 marks)

42. (a) Why do we usually cover burning wood with soil when making charcoal?

(b) Apart from charcoal, give any two forms of wood fuel used in the environment.

(i).....

(ii).....

For more information about the study, please contact Dr. John Smith at (555) 123-4567 or via email at john.smith@researchinstitute.org.

(e) Give any one way human beings use wood fuel as energy resources.

(e) Give any one way human beings use wood fuel as energy resources.

(c) Give any one way human beings use wood fast. 5.

43. (a) How can a first aider ensure that a near drowned casualty gains breath?

.....
.....

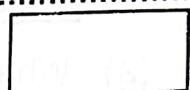
(b) Why should a first aider check the breathing systems of a near drowned casualty?

.....
.....

(c) Give any two ways of preventing near drowning in the environment.

(i)

(ii)



44. (a) Why does the pulse rate increase after performing a heavy exercise?

.....
.....

(b) State the role of the following body organs during circulation;

(i) Liver.

.....
.....

(ii) Lungs.

.....
.....

(iii) Heart.

.....
.....

45. (a) What causes measles among babies?

.....
.....

(b) Give any two ways measles spread among human beings.

(i)

.....
.....

(ii)

(c) Why is measles said to be more dangerous than tuberculosis?

.....
.....

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



46. (a) Which method of milking is shown in the diagram above?

.....
.....

(b) Why do milkmen wash the udders of animals with warm water?

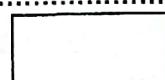
.....
.....

(c) State the benefit of smearing the teats with a milking jelly.

.....
.....

(d) Give any one way of obtaining clean milk.

.....
.....



47. (a) How do mushrooms differ from yeast in terms of breeding?

.....
.....

(b) Why do most fungi breed from rotting matter?

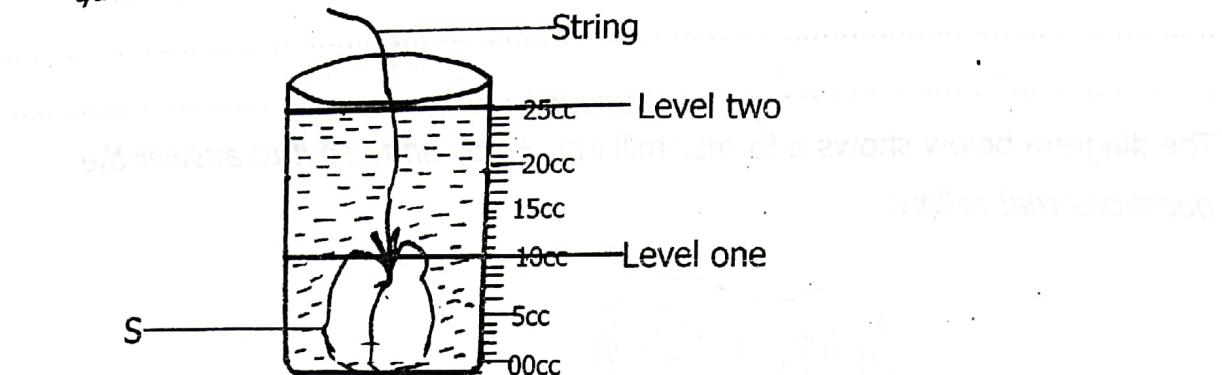
.....
.....

(c) Write down any two uses of fungi in the environment.

(i)

(ii)

The experiment below is about measuring objects. Study and use it to answer the questions that follow.



48. (a) Name the object marked **S** in the experiment above.

.....
.....

- (b) Why does water level increase as shown in the diagram when object **S** is lowered in water?

.....
.....

- (c) If object **S** has a mass of 60g, find its density. (2 marks)

49. (a) How does soap help to clean clothes at home?

.....
.....

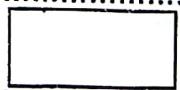
- (b) Why do we soak clothes before washing?

.....
.....

- (c) Give any two factors considered before soaking clothes.

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

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



50. (a) Name the substance obtained during distillation of crude alcohol.

.....
.....

- (b) State the role of cold water during distillation of alcohol.

.....
.....

(c) Why is the delivery tube coiled as it is passed through cold water?

.....

(d) Give any one use of alcohol medically.

.....

51. (a) How do iron keepers keep the strength of magnets?

.....

(b) Write down any two magnetic materials.

(i)

(ii)

(c) State the use of magnets to health workers.

.....

52. (a) Give the benefit of using water over mineral resources in the environment.

.....

(b) Name the process through which the following resources can be replaced in the environment;

(i) Water.

.....

(ii) Plants.

.....

(c) How does planting trees conserve water as a resource?

.....

.....

Use the table below to answer the questions that follow.

P	Q	R
Crows	Ducks	Eagles
Marabou stock	Geese	Kites
Vultures	Pelicans	owls

53. (a) Which group of birds is shown in list Q?

.....

Turn Over

(b) How are birds in list P similar to those in list R in terms of feeding?

(c) Give any two adaptations of birds in list R to their mode of feeding.

(i).....

(ii).....

54. (a) Why does Mary find it easier to suck water from an open jug using a straw?

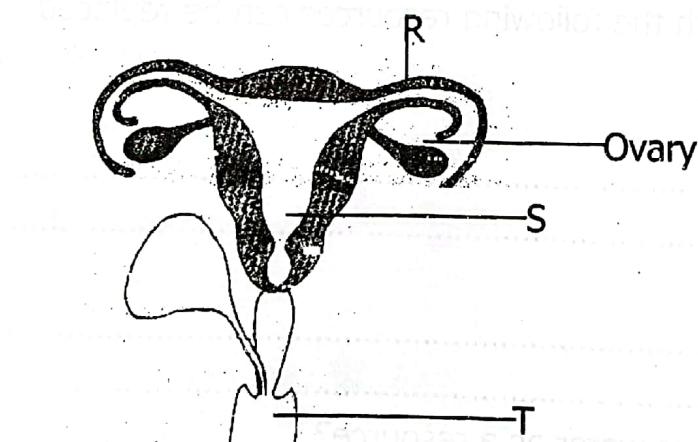
(b) State the benefit of using a straw with a small hole to suck water.

(c) Give any two properties of air.

(i).....

(ii).....

The diagram below shows the female reproductive system. Study and use it to answer the questions that follow.



55. (a) Name the parts marked;

(i) R

(ii) S

(b) What is the use of the part marked S in the human reproductive system?

(c) How is part marked T adapted to allowing the baby out during labour?