

MBARARA CITY EXAMINATIONS BOARD

PRIMARY LEAVING MOCK ASSESSMENT, 2025

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 **16 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.

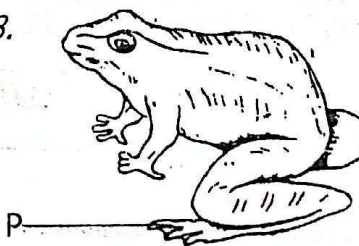
FOR EXAMINERS' USE ONLY		
Qn. No.	Marks	EXR'S NO.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

1. Which part of the human digestive system produces saliva?
.....
.....
2. Why do we add sugar in Oral Rehydration Solution (ORS)?
.....
.....
3. Give any one way biodegradable materials affect the quality of the soil.
.....
.....
4. Why does a bimetallic strip bend when heated?
.....
.....
5. Give a reason why farmers prefer using fold pen system of keeping poultry.
.....
.....
6. How can human beings avoid risks related to floods in the environment?
.....
.....

The diagram below shows an animal in the environment. *Study and use it to answer questions 7 and 8.*



7. Name the group of vertebrates to which the above organism belongs.

8. What is the function of the part marked P on the diagram above?

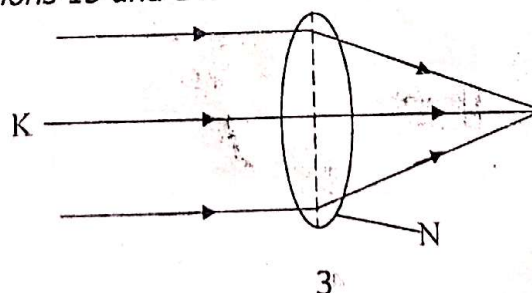
9. What causes fever among human beings?

10. Give any one benefit of using plant resources over petroleum in the environment.

11. Why should grain stores always be raised off the ground?

12. How does drought affect food consumption rates?

The diagram below shows a beam of light striking a lens. *Study and use it to answer questions 13 and 14.*



Turn Over

13. Name the type of lens marked N on the diagram above.

.....

.....

14. Why does ray marked K go through the lens without bending?

.....

.....

15. Give a reason why ordinary pit latrines produce bad smell.

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16. Write down one way plants benefit from air in the environment

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17. Why are human beings advised to always have regular dental check ups?

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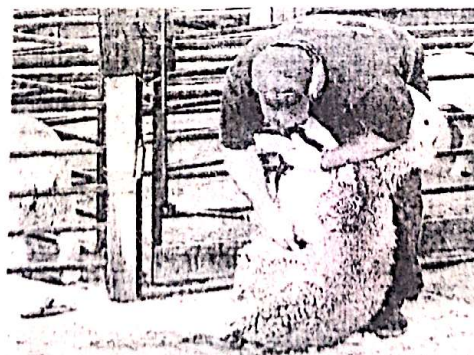
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18. Give any one way of ensuring safety of vaccines during storage.

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The diagram below shows a management practice in sheep. *Study and use it to answer questions 19 and 20.*



19. The diagram below shows the farm equipment. Use it to answer number 19 and 20.



20. What is the use of the above equipment in animal management?

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.....

21. What is the function of the udder to cow?

.....

.....

22. Which element of Primary Health Care (PHC) ensures safe and healthy delivery during labour?

.....

.....

23. Why are bacteria not visible to the naked eyes?

.....

.....

24. How does Septum maintain the efficiency of the human circulatory system?

.....

.....

25. Write down one way the government of Uganda controls drug abuse among young people.

.....

.....

26. Give any one way animals contribute to human health,

.....

.....

27. Which substance do worker bees use to fill up the spaces in the hive?

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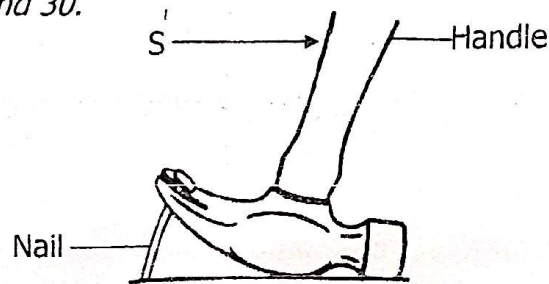
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28. A child has the following conditions, poor growth, brown hair, weight loss, general body weakness. Which unhealthy condition is the child suffering from?

.....

.....

The diagram below shows a simple machine. *Study and use it to answer questions 29 and 30.*



29. What does arrow S show on the diagram above?

.....

.....

30. Give any one way carpenters use the above simple machine.

.....

.....

31. Write down one indicator of choking in the human body.

.....

.....

32. Why should a school consider species of trees before starting a wood lot project?

.....

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33. Give any one way crop farmers ensure proper germination of their seeds.

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.....

34. What is the danger of pre-marital sex among human beings?

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.....

35. Why should bucks be kept separately from those which have given birth?

.....

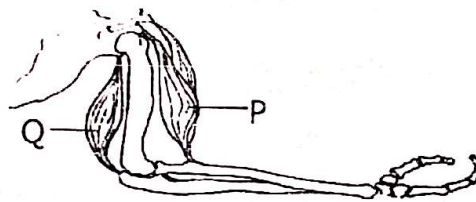
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36. Which health problem results from taking expired drugs?

.....

.....

The diagram below shows the human arm. Study and use it to answer number 37.



37. How does muscle P differ from muscle Q when the human arm is bent?

.....

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38. Give any one reason why plants propagated vegetatively tend to grow faster.

.....

.....

39. Mr. Tom who is 85 years old feeds on the foods shown in the diagrams below.



Give any one reason why Mr. Tom feeds on the above foods.

40. Name the natural shadow formed when light from the sun is blocked by the moon.

SECTION B: 60 MARKS

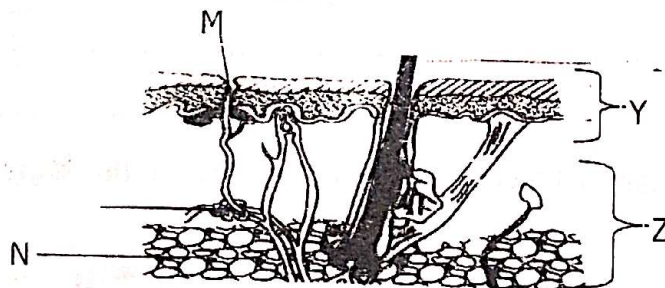
(Questions 41 to 55 carry four marks each.)

41. (a) How do mosquitoes reproduce?

- (b) What is the danger of adult mosquitoes to human beings?

- (c) Give any two ways of avoiding dangers caused by mosquitoes in environment.

42. The diagram below shows the human skin. Study and use it to answer number 42.



- (a) Name the layers of the human skin marked;

- (i) Y
(ii) Z

(b) Give the function of the parts labeled with letter M and N

(i) M

(ii) N

43. Use the table below to answer the questions that follow.

L	N
Deforestation	Soil erosion
Bush burning	Leaching

(a) What is leaching?

.....
.....

(b) How do items in List L cause soil erosion?

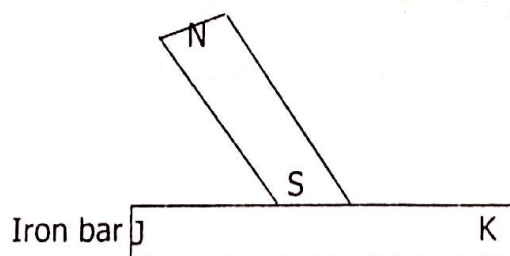
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(c) Give any two ways bush burning affects the quality of soil.

(i).....

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

They diagram below shows a method of making magnets. *Study and use it to answer questions that follow.*



44. (a) Which method of magnetization is shown above?

.....

.....

(b) If K become the North pole, show the direction of stroking using arrows on the diagram above.

(c) Give any two ways of preserving the strength of magnets.

(i).....

.....

(ii).....

.....

45. (a) Give any two ways water facilities germination of seeds

(i).....

.....

(ii).....

.....

(b) Why does a maize grain develop roots faster than shoot system? -

.....

.....

(c) Give any one factor which makes seeds fail to germinate.

.....

.....

Mr. Kareju, a poultry farmer in a certain village, usually put laying nests in dark corner and add crushed eggshells in poultry feeds.

46. (a) Why does he carry out the above mentioned activities?

.....

.....

(b) What would happen if mr. Kareju left the laying nests in open place?

.....

.....

(c) Give any two pieces of advise you give to mr. Kareju to maintain high productivity of his poultry farm.

(i).....

.....

(ii).....

.....

47. (a) Which intestinal worms enter the human body through bare skin?

.....

.....

(b) How do intestinal worms affect human health?

.....

.....

(c) Give any two ways community can reduce worm infection and protect people from related health problems.

(i).....

.....

(ii).....

48. (a) Why are human beings advised to wear fairly loose under wears?

.....

.....

(b) Give any two ways multiple sexual relationships affects human reproductive health.

(i).....

.....

(ii).....

.....

(c) How can you improve your reproductive health?

.....

.....

49. (a) Why are the pieces of paper attracted to the ruler?

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(b) Which type of electricity enabled the ruler to attract the pieces of paper?

.....

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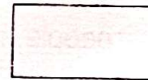
(c) Give any two ways of avoiding dangers caused by the type of electricity named in (a) above.

(i).....

.....

(ii).....

.....



50. (a) How do alloys conserve minerals on the environment?

.....

.....

(b) Give any two reasons for recycling waste materials.

(i).....

.....

(ii).....

.....

(c) State one measure the government of Uganda reduce the use of polythen papers.

.....

.....

51. (a) Which organ of the human body is greatly damaged by excessive consumption of alcohol?

.....

.....

(b) Give any two forms of self neglect due to alcoholism

(i).....

.....

(ii).....

.....

(c) How can you help your friend who is an alcoholic to stop the habit?

.....

.....

52. (a) Why does mr. John easily suck water from an open cup using a straw?

.....

.....

(b) Write down two propertied of air.

(i).....

.....

(ii).....

.....

(c) What happens to an inflated balloon when released into the atmosphere?

.....

.....

53. Match activities and their benefits on a cattle farm correctly.

Activities	Benefits
Ear notching	Controls ecto parasites in cattle.
Dipping	Increases space in the kraal.
Castration	For easy identification.
Dehorning	Controls inbreeding among cattle.

(i) Ear notching.....

.....

(ii) Dipping.....

.....

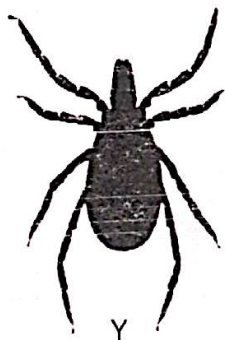
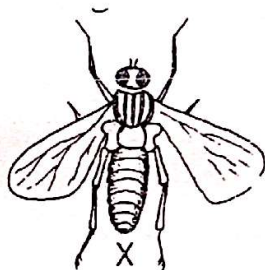
(iii) Castration.....

.....

(iv) Dehorning.....

.....

The diagrams below show organs in the environment. Use them to answer the answer questions that follow.



Z



54. (a) Name the organisms marked.

(i) Y.....

.....

(ii) Z.....

.....

.....

(b) What is the basis of grouping the above organisms together?

.....

.....

(c) How can you reduce dangers of organism marked Y in the environment.

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55. (a) How do tuning pegs affect sound produced by a harp?

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(b) Why do we classify a harp under string instruments?

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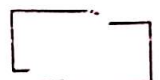
(c) Give any two ways of increasing pitch of sound produced by a harp.

(i).....

.....

(ii).....

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END