

KIRYANDONGO DISTRICT PRIMARY  
HEADTEACHERS' ASSOCIATION  
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 answer or work written in pencil other than drawings 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. State any one role of saliva in the human digestive system.

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2. Why is water vapour important in the water cycle?

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3. Give any one effect of high fever to the human body.

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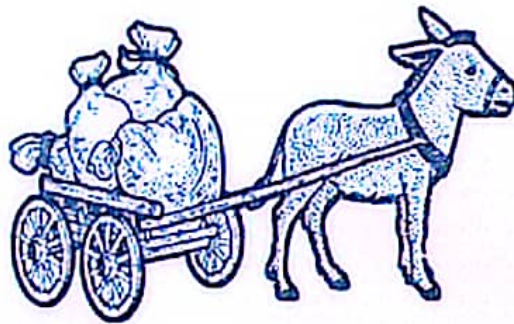
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4. Why do frogs usually hide during the day and become active at night?

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The diagram below shows an animal doing work. *Study and use it to answer questions 5 and 6.*



5. How is the animal shown in the diagram above useful to a crop farmer?

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6. Why is the above type of transport environmentally friendly?

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7. How does amplitude affect sound produced by a tube fiddle?

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8. Give any one indicator of worm infestation among babies.

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9. Why do poultry farmers usually put laying nests in dark corners?

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10. Give any one piece of information collected during a health survey.

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11. How is the feeding of bacteria similar to that of fungi?

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.....

12. Which type of changes make young organisms grow into adults?

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.....

The diagrams below show stages of development of a disease vector. *Study and use them to answer questions 13 and 14.*



13. Which disease vector undergoes the stages shown above?

.....  
.....

14. State the structural difference between stage marked **P** and the stage marked **Q**.

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.....

15. How does chemical treatment make water safe for drinking?

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.....

16. Which type of blood vessel join arteries to veins?

.....  
.....

17. Why does a worker find it easier to push a wheelbarrow downhill than uphill?

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18. Which type of root system is found in cereal crops?

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19. State the importance of covering cooked food at home.

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20. How does prolonged use of artificial fertilizers affect the soil?

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21. Give any one way diseases spread by parasites among cattle on the farm.



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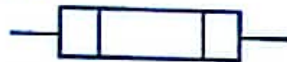
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22. Why is proper sanitation an important health lifestyle?

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The diagram below is about electricity. *Study and use it to answer questions 23 and 24.*



23. Name the part of an electric circuit shown in the diagram above.

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24. How is the part shown above adapted to its function in the circuit?

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25. Which type of immunity is acquired through immunisation?

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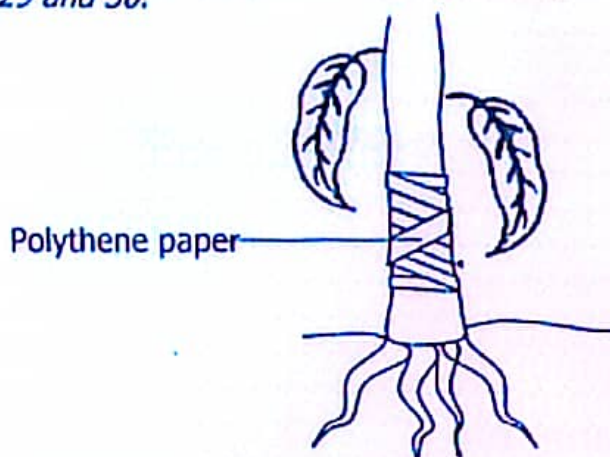


26. Give any one plant which reproduces like fungi in the environment.

27. Why do some people use natural gas for cooking instead of wood fuel?

28. How does too much rainfall affect the soil in the environment?

The diagram below is about propagation. *Study and use it to answer questions 29 and 30.*



29. Which method of vegetative propagation is shown above?

30. Apart from the above, give any other method of vegetative propagation in plants.

31. Why should sick human beings be given a lot of food rich in vitamins?

32. State the benefit of smearing beeswax inside the hive before sitting it in an apiary.

33. Give any one benefit of family planning among human beings.



34. What happens to light rays when they fall onto smooth and shiny surface?

35. Give any one use of insects in the environment.

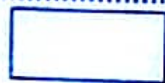
36. Write down one cause of alcoholism among human beings.

37. State any one health effect of anti-social behaviours among human beings.

38. Why are fossils referred to as non-renewable resources?

39. Mention any one biological change which occurs in animals.

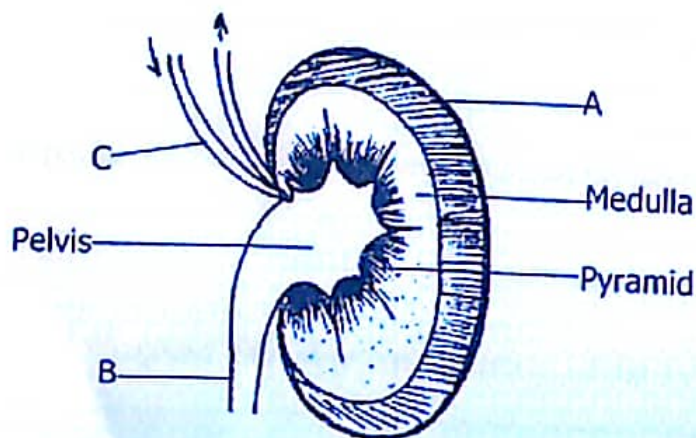
40. State any one proper way of storing vaccines.



### SECTION B: 60 MARKS

(Questions 41 to 55 carry four marks each.)

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





41. (a) Name the parts of the human kidney marked;

(i) **A** .....

(ii) **B** .....

(b) State the function of the vessel marked **C** to the human kidney.

(c) Why is the human kidney referred to as an excretory organ?

42. (a) Why should a conventional pit latrine have a reasonable deep pit?

(b) State the importance of a lid in a convectional pit latrine.

(c) Apart from the lid, give any two features of a convectional pit latrine.

(i).....

(ii).....

43. (a) Give any two materials used for mulching crop gardens.

(i).....

(ii).....

(b) State any two ways mulching conserves the soil in the environment.

(i).....

(ii).....





44. (a) Give any two exotic breeds of rabbits kept in Uganda.

(i).....

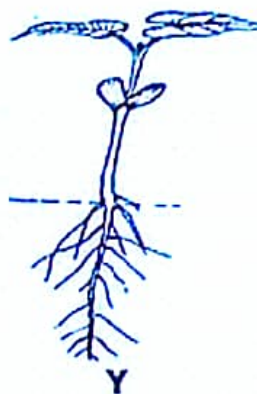
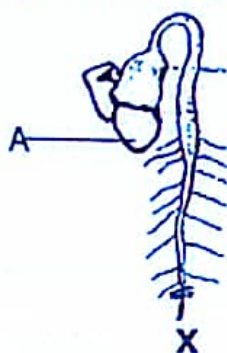
(ii).....

(b) State any two benefits of keeping local breeds of rabbits over exotic breeds.

(i).....

(ii).....

The diagrams below show germination of seeds. *Study and use it to answer questions that follow.*



45. (a) Name the part marked **A** in diagram **X**.

.....

(b) Why does the radical of a germinating seed usually develop faster than plumule?

.....

(c) State the difference between stage **X** and **Y** in terms of feeding.

.....

(d) Mention any one seed which undergoes the above type of germination.

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Use the table below to answer the questions that follow.

J	K	L
Ramp	Panga	Crowbar
Ladders	Spear	Claw hammer

46. (a) Name the type of simple machines listed in J.

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(b) Which list from the table above shows simple machines used for splitting wood?

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(c) Give any two ways simple machines simplify work.

(i).....

.....

(ii).....

.....



47. (a) How does regular brushing of teeth improve oral health?

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(b) Apart from brushing, give any two ways human beings promote oral health.

(i).....

.....

(ii).....

.....

(c) Why is oral hygiene an important health habit among human beings?

.....

.....

48. (a) Write ACP in full.

.....

.....



(b) How do anti-retroviral drugs help AIDS patients to live longer?

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.....

(c) Write down any two ways of caring for AIDS patients in the society.

(i).....

.....

(ii).....

.....

49. (a) How do the following farming practices control crop pests;

(i) Crop rotation?

.....

.....

(ii) Spraying?

.....

.....

(b) Write down any two signs of pest damages in crops.

(i).....

.....

(ii).....

.....

50. (a) Which part of air helps animals in respiration?

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(b) How do animals depend on the following components of environment;

(i) Soil?

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(ii) Water?

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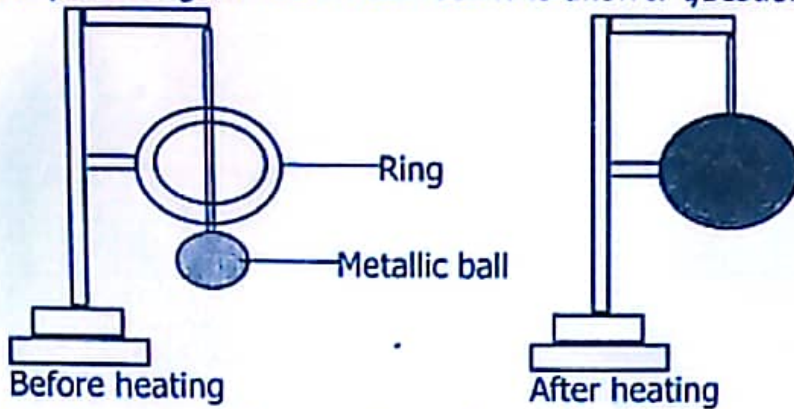
(c) Why do human beings usually sit in the sunshine?

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Study the diagram below and use it to answer questions that follow.



51. (a) What does the experiment show about matter?

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(b) Which form of energy changes the ball as shown above?

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(c) What happens if cold water is poured on the ball after heating?

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(d) Apart from the above, give one effect of heat gain on matter.

.....

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52. (a) Give any two types of cattle feeds.

(i).....

.....

(ii).....

.....

(b) State any one reason why cattle need proper feeding.

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(c) Why do cattle chew the cud?

.....

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53. (a) Name two types of breathing.

(i).....

.....

(ii).....

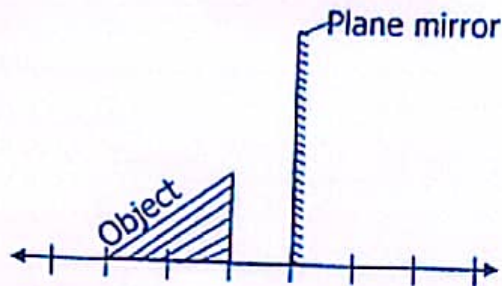
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(b) How is the trachea able to keep open without collapsing?

(c) Why does the air we breathe out contain more carbon dioxide than the air we breathe in?

The diagram below shows an object placed in front of a plane mirror. Study and use it to answer questions that follow.



54. (a) Show the image in the above diagram.

(b) Why is the image in the above diagram considered virtual?

(c) Give any two characteristics of images formed in plane mirrors.

(i)

(ii)

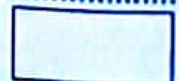
55. (a) Why is washing hands an important step when making oral rehydration solution?

(b) How does oral rehydration solution improve the health of a dehydrated person?

(c) Mention any two substances used to make oral rehydration solution.

(i)

(ii)



END