UGANDA NATIONAL EXAMINATIONS BOARD

PRIMARY LEAVING EXAMINATION

2025

Total mark scored	

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**.
3. Answer **all** the 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** ballpoint pen or ink. Any work written in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be easily read may lead to **loss of marks**.
6. Do not fill anything in the table indicated **"FOR EXAMINERS USE ONLY"** and the boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
QN. NO.	**MARKS**	**EXR'S NO.**
1 – 10		
11 – 20		
21 – 30		
31 – 40		
21 – 43		
41 – 46		
44 – 26		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

SECTION A: 40 MARKS

Answer **all** *questions in this section*
Questions **1** *to* **40** *carry* **one** *mark each*

1. Name the type of soil which is good for the growing of crops.

.....

2. Give the function of the stigma of a flower.

.....

3. State any **one** way of controlling heartburn in humans.

.....

4. State any **one** way in which slashing of bushes around a home helps to control diseases.

.....

5. Mention any **one** way in which planting of trees improves the quality of air in the environment.

.....

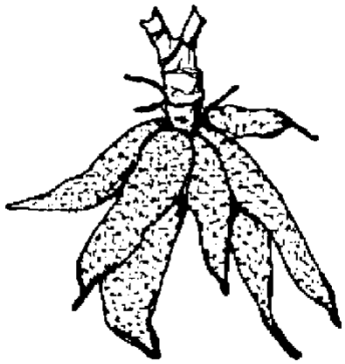
6. Give any **one** way that can be used to prevent the spread of tuberculosis in a community.

.....

7. State any **one** reason why it is not good to breathe through the mouth.

.....

The diagram below shows part of a root tuber crop. Use it to answer questions **8** and **9**.



8. Name any **one** method of harvesting the root tuber crop.

.....

9. Give any **one** reason why the above root tuber crop should be preserved after harvesting.

.....

10. State any **one** way through which breast feeding prevents diseases in babies.

.....

11. Give any **one** characteristic of bacteria.

.....

12. Mention the use of a barometer in a weather station.

.....

13. State any **one** way through which the giving of feeds to a cow during milking helps to stimulate milk let down.

.....

14. Give **one** way in which the wearing of tight-fitting shorts helps in controlling thread worm infestation.

.....

15. Name the part of the human male reproductive system that stores sperm cells.

.....

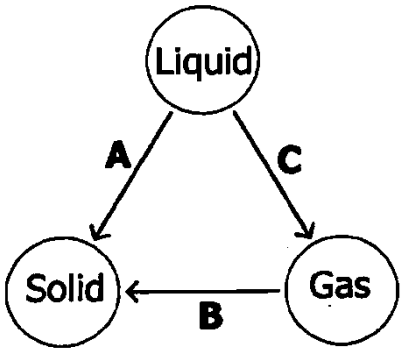
16. Give any **one** way of conserving living organisms in the soil.

.....

17. State any **one** effect of weather on the pitch of sound.

.....

The diagram below shows the physical changes that take place in the states of matter. Use it to answer questions **18** and **19**.



18. Name the physical change labelled **A**.

.....

19. State any **one** way in which physical change labelled C is important to plants.

.....

Turn Over

20. Apart from being a drink, give any **one** other use of alcohol.

.....

21. Name any **one** exotic breed of goats kept for the same purpose as Friesian cows.

.....

22. State any **one** way in which flowers planted in a school compound are important.

.....

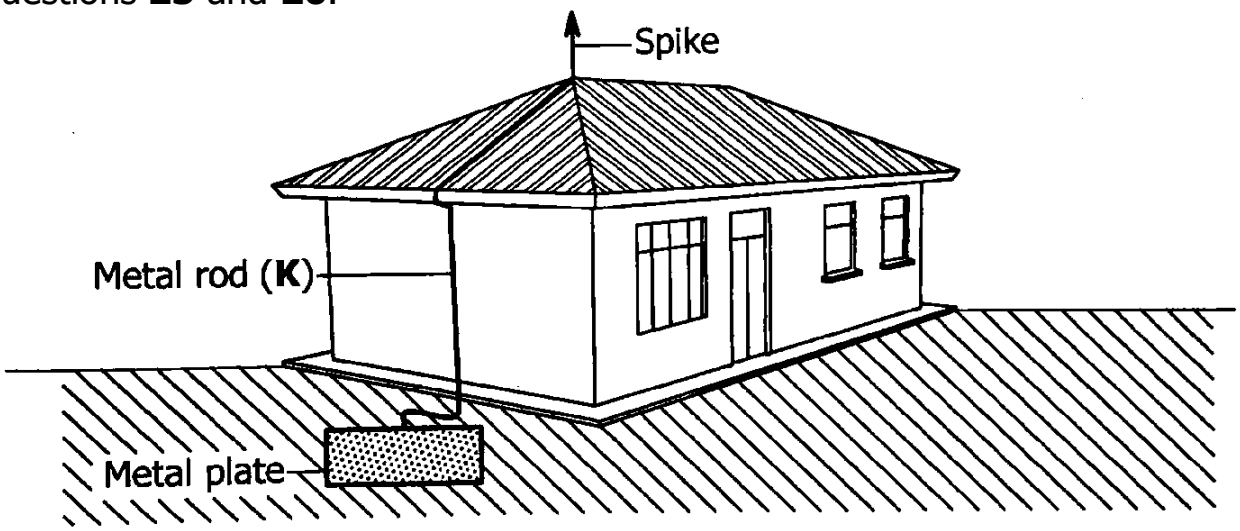
23. Give any **one** way of keeping the human body muscles in good working condition.

.....

24. Mention any **one** method used to prepare food at home.

.....

The diagram below shows a lightning conductor on a building. Use it to answer questions **25** and **26**.



25. Name the material used to make the metal rod labelled **K**.

.....

26. State **one** way in which the above lightning conductor helps to control damage on buildings.

.....

27. Give **one** reason why boiled water should be filtered before drinking.

.....

28. Mention any **one** way in which wind is used as a resource.

.....

29. State any **one** way in which the strength of a magnet can be maintained.

.....

30. Give any **one** factor a health worker considers when prescribing drugs for a patient.

.....

31. Identify the component of blood that transports waste products in the human body.

.....

32. Apart from being less dense, state any **one** other factor that makes an object float on a liquid.

.....

33. State any **one** way in which animals benefit from moving in groups.

.....

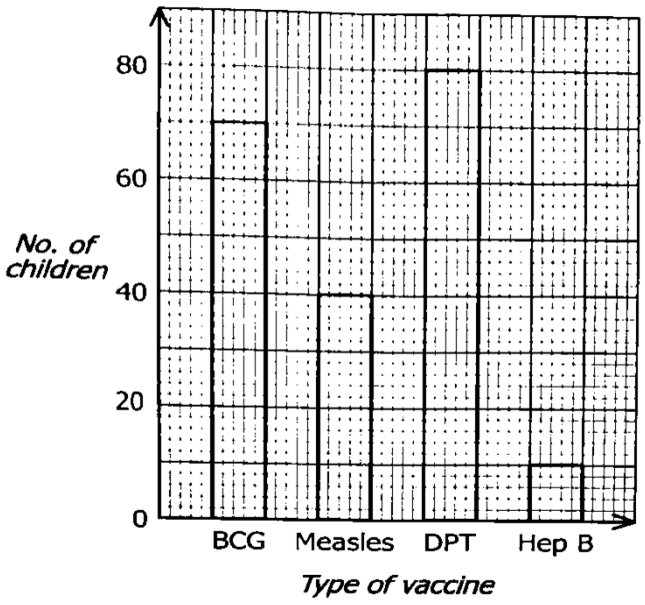
34. Name any **one** feature you can use to identify combs with young bees in a hive.

.....

35. State the reason why sound travels fastest in solids.

.....

The bar graph below shows vaccines that were received by children at a health centre on one Tuesday. Use it to answer questions **36** and **37**.



36. Identify any **one** disease for which the highest number of children received the vaccine.

.....

37. Determine the number of children born on that Tuesday.

.....

38. State the reason why a balloon filled with air bursts when exposed to sunshine.

.....

39. Give any **one** practice of caring for the health of the brain in humans.

.....

40. State any **one** way through which establishment of factories in a community can be dangerous to water sources.

.....

SECTION A: 40 MARKS

Answer **all** *questions in this section*

Questions **41** *to* **55** *carry four marks each*

41. (a) Give any **two** social changes that take place at puberty.

(i).....

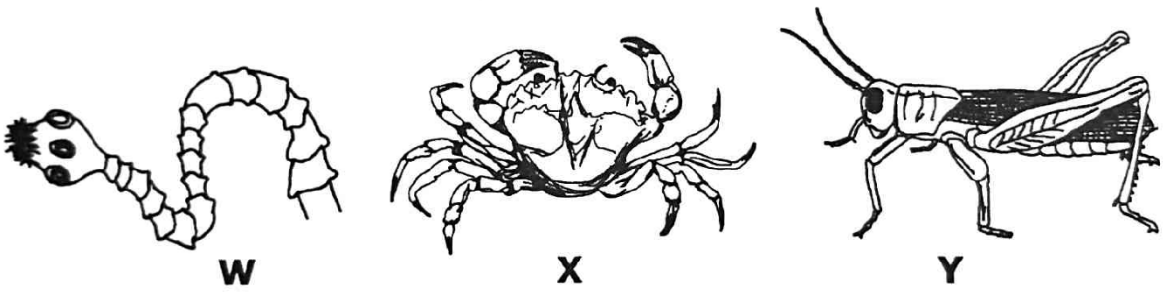
(ii).....

(b) Mention any **two** ways through which an adolescent can manage the social changes.

(i).....

(ii).....

42. The diagrams below show the animals **W**, **X** and **Y** that belong to three different groups of invertebrates. Use them to answer questions that follow.



(a) Identify the group of invertebrates to which animal labelled X belongs.

.....

(b) Apart from having no backbone, state any **one** other way animals W and Y are similar in their body structures.

.....

(c) State any **two** benefits of animal Y to humans.

(i).....

(ii).....

43. (a) Give the importance of each of the following in the human diet:

(i) Roughage.....

(ii) Water.....

(b) Give any **two** ways in which food taboos are important to people in some communities.

(i).....

(ii).....

44. In the table below, **A** shows the elements of Primary Health Care (PHC) while **B** shows some of the problems that may result from failure to practice the elements of PHC.

A	**B**
Immunisation	Typhoid fever
Family planning	Constipation
Water and sanitation	Halitosis
Oral health	Hepatitis B
	Maternal anaemia

Match correctly the problems in **B** with the elements of PHC in A in spaces provided below.

(a) Immunisation .....

(b) Family planning.....

(c) Water and sanitation.....

(d) Oral health.....

45. (a) State the benefit of the:

(i) apiary to the coffee plantation.

.....

(ii) a goat unit to the coffee plantation.

.....

(b) Mention any **one** danger of the apiary to the goat unit.

.....

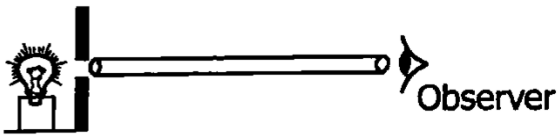
(c) Give any **one** way in which the farmer can control goats from disturbing the apiary.

.....

46. The diagrams below experiments that were carried out on how light travels. Use them to answer questions that follow.



Experiment **M**



Experiment **N**

(a) Identify the experiment in which the observer was able to see the light.

.....

(b) State the principle of light demonstrated in the experiments above.

.....

(c) Explain how the principle in (b) above results in the formation of shadows.

.....

47. The diagram below shows part of the process of making charcoal. Use it to answer questions that follow.



(a) State the reason for covering the wood with soil in the above process.

.....

(b) State any **one** danger of the above activity to the environment.

.....

(c) Identify any **two** ways the above activity can be controlled in a community.

(i).....

(ii).....

48. (a) State any **two** reasons why rubbish from our homes should be sorted before disposing it to gardens.

(i).....

(ii).....

(b) Mention any **two** ways of keeping yourself safe while sorting rubbish at home.

(i).....

(ii).....

49. (a) State any **two** ways you can use to control common sicknesses at home.

(i).....

(ii).....

(b) Give any **two** ways through which juvenile delinquency can be controlled in a society.

(i).....

(ii).....

50. (a) Name **one** material excreted by the lungs in humans.

.....

(b) State **one** way through which shivering helps to regulate body temperature

.....

(c) Explain how each of the following practices helps in caring for the skin:

(i) Wearing clean loose clothes.

.....

(ii) Smearing with Vaseline.

.....

51. (a) State any **two** uses of the sun as an energy resource.

(i).....

(ii).....

(b) State any **one** reason why fire extinguishers are commonly painted red.

.....

(c) State **one** way in which soil is useful in putting out fire.

.....

52. (a) Give any **one** example of a good conductor of heat.

.....

(b) Mention any **one** way in which heat transfer by radiation is important to:

(i) plants .....

(ii) humans .....

(c) Explain how the silvery walls of a thermos flask keep the hot liquid in the flask hot.

.....

.....

53. (a) State the reason why a person suffering from HIV/AIDS is easily attacked by other diseases.

.....

(b) Mention any **one** effect of HIV/AIDS on a community.

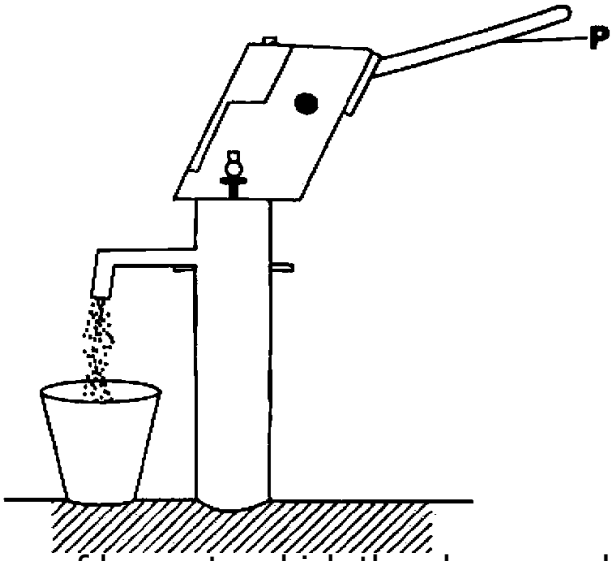
.....

(c) Give any **two** ways of caring for a person living with HIV/AIDS.

(i).....

(ii).....

54. The diagram below is of a simple machine. Use it to answer questions that follow.



(a) Name the class of levers to which the above machine belongs.

.....

(b) Using an arrow, show the direction of the load when effort is applied to the part labelled **P**.

(c) State any **two** ways through which the efficiency of the above simple machine can be increased.

(i).....

(ii).....

55. (a) Give any **one** cause of burns at home.

.....

(b) Mention any **one** way in which cuts can be prevented in a school.

.....

(c) Mention any **two** responsibilities of a good first aider.

(i).....

(ii).....

END