

**WAKISO DISTRICT JOINT EXAMINATIONS BOARD**  
(WAKISO MAIN, KIRA, MAKINDYE AND NANSANA MUNICIPALITY)  
**PRIMARY SEVEN INTERNAL ASSESSMENT**

2024

**INTEGRATED SCIENCE**

*Time Allowed: 2 hours 15 minutes*

Index No.

Random No.						Personal No.		

Candidate's Name: .....

Candidate's signature: .....

School Name: .....

District/Municipality: .....

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**

**Read the following Instructions Carefully:**

1. This paper has two sections A and B.
2. Section A has 40 short questions (40 marks).
3. Section B has 15 questions (60 marks).
4. Attempt ALL questions. All answers to both Sections A and B must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Only diagrams and graph work may be done in pencil.
6. Unnecessary changes and crossings of work will lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated "For examiners' use only"
9. Write your name on all pages.

FOR EXAMINERS' USE ONLY

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

ORGANISED AND PUBLISHED BY:

**W.A.D.E.B**

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### SECTION A (40 MARKS)

1. Name the gas that forms the smallest percentage in the atmosphere.  
\_\_\_\_\_
2. Give the type of energy formed between the ground and the foot when someone is running.  
\_\_\_\_\_
3. How can one care for his/her eyes?  
\_\_\_\_\_
4. How do plants benefit from the breathing of animals?  
\_\_\_\_\_
5. Why do bees swarm?  
\_\_\_\_\_
6. Name the vector that spreads germs which cause rababies.  
\_\_\_\_\_
7. Give the process in which ice is formed from water.  
\_\_\_\_\_

Study the diagram below and answer questions 8 and 9.



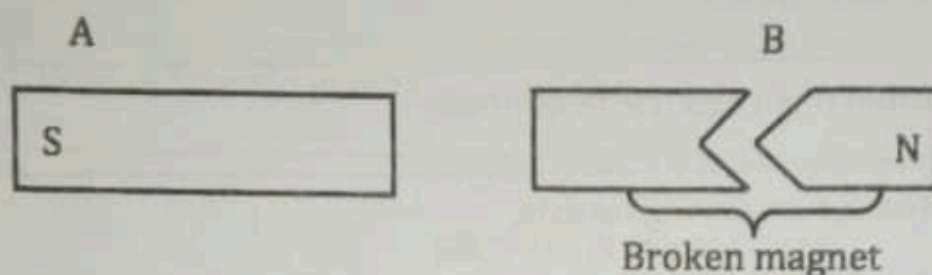
8. Name the garden tool in the above diagram.  
\_\_\_\_\_
9. Of what importance is that tool to a crop farmer?  
\_\_\_\_\_
10. How can a primary pupil help to fight malaria in the home?  
\_\_\_\_\_
11. Name the sense organ that is responsible for feeling.  
\_\_\_\_\_
12. State any one effect of drug abuse to the community.  
\_\_\_\_\_
13. Why are pregnant women always immunized?  
\_\_\_\_\_



14. Which immunisable disease can be controlled by boiling water for drinking?

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Study the diagram of the magnets below and answer the questions that follow.



15. What will happen to magnet A and B when brought near each other?

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16. How can a bar magnet be kept with its strength?

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17. Name the part of a flower where ovules are found.

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18. How do tsetse flies transmit germs which cause nagana?

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19. How is a biological change different from a physical change?

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20. Identify any one example of a physical change.

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21. Give any one similarity between mushrooms and liverworts.

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22. In the space provided below, draw a simple serrated leaf.

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23. What is the function of a leaf stalk?

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24. Write the collective name given to petals of a flower.

25. State any one function of muscles in the body.

26. What is an electric conductor?

27. Give any one example of an electric conductor.

28. Give any one reason for reserving forests.

29. How can deforestation be reduced in Uganda?

30. Why is it dangerous for a young girl to become pregnant?

31. How should early pregnancies be avoided?

The diagram below shows a human eye. Use it to answer questions 32 and 33.



32. Name the part marked S.

33. What is the function of the part labelled P?

34. What name is given to the first set of teeth that grows in babies?

35. How is calcium important in the growth of the teeth?

36. What are germs?



47. (a) How does sound travel?

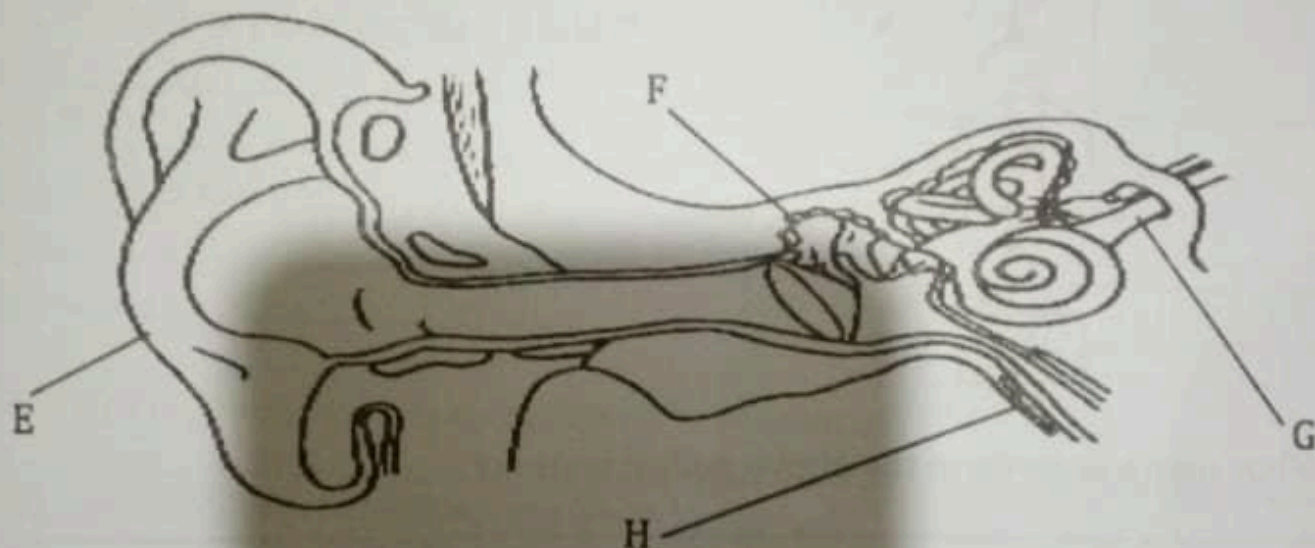
(b) State any two uses of sound in our daily life.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) How can pitch of sound of a guitar string be increased?

48. The diagram below shows a structure of a human ear. Use it to answer the questions that follow.



(a) Name the structures marked F and G.

(i) F \_\_\_\_\_

(ii) G \_\_\_\_\_

(b) Give functions of the parts marked E and H.

(i) E \_\_\_\_\_

(ii) H \_\_\_\_\_

49. (a) What is friction?

(b) State any one way how friction is useful.

(c) Why is friction referred to as a nuisance force?

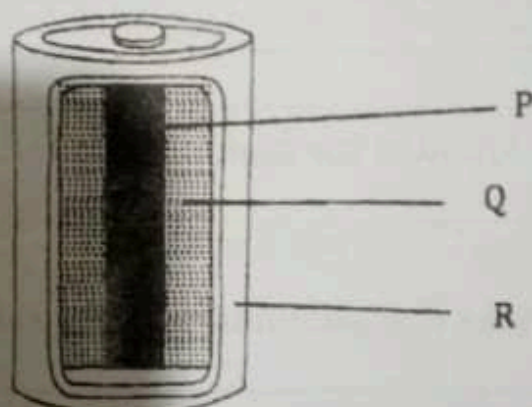
44. (a) Write any one activity a P.7 pupil should do to promote family hygiene.

b) Explain one way how you can keep your body clean.

(c) Why is it dangerous for someone to wash hands before a latrine visit but not after?

(d) How should latrines be kept clean?

45. The diagram below is of a dry cell. Use it to answer the questions that follow.



(a) Name the parts labelled P, Q, and R.

(i) P

(ii) Q

(iii) R

(b) Use a pencil to show the flow of electric current on the above diagram.

46. (a) State three ways of preserving fish for a long time.

(i)

(ii)

(iii)

(b) Which main food nutrient do we get from fish?

37. How can germs be removed from hands?

38. Why is it advisable to brush teeth every after having a meal?

39. Give any one sign of a compound fracture.

40. Why is first aid given?

### SECTION B (60 MARKS)

41. (a) State any three importances of having body exercise.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(iii) \_\_\_\_\_

(b) Where is a sature joint found in the human body?

42. (a) Name any two diseases that commonly attack rabbits.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Identify any two signs of sickness in rabbits.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

43. (a) Write any two ways how a farmer can benefit from wind.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Name the weather instrument that measures the speed of wind.

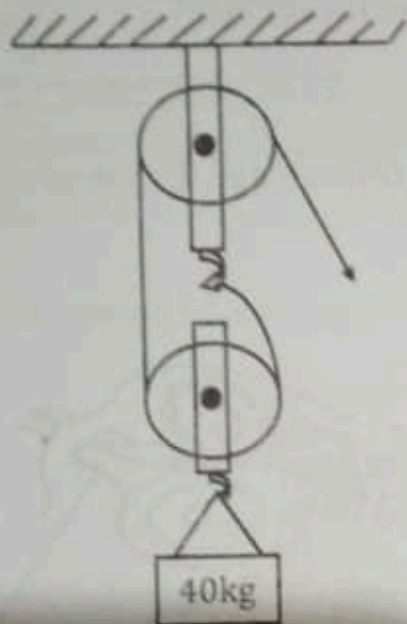
(c) What is the function of a barometer?



(d) How can friction be reduced?

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50. The diagram below shows a pulley system. Use it to answer the questions that follow.



(a) What name is given to the above pulley system?

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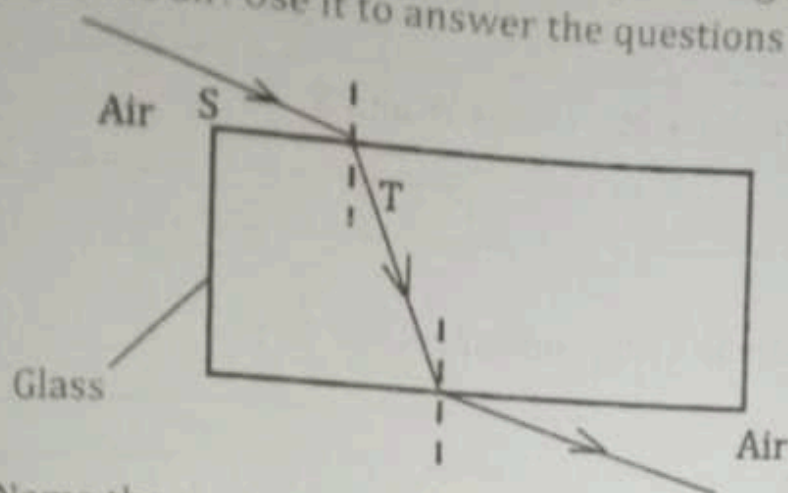
(b) If the effort used to lift the load is 20kg, calculate its mechanical advantage.

(c) Give any one example where the above pulley system is applied.

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51. The diagram below is of a light ray moving from air through a glass and then back to air. Use it to answer the questions that follow.



(a) Name the parts marked S and T.

(i) S \_\_\_\_\_

(ii) T \_\_\_\_\_

(b) How is the light ray through that glass affected? Give two ways.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

52. (a) To which body system does a liver belong?

(b) State any two functions of a liver.

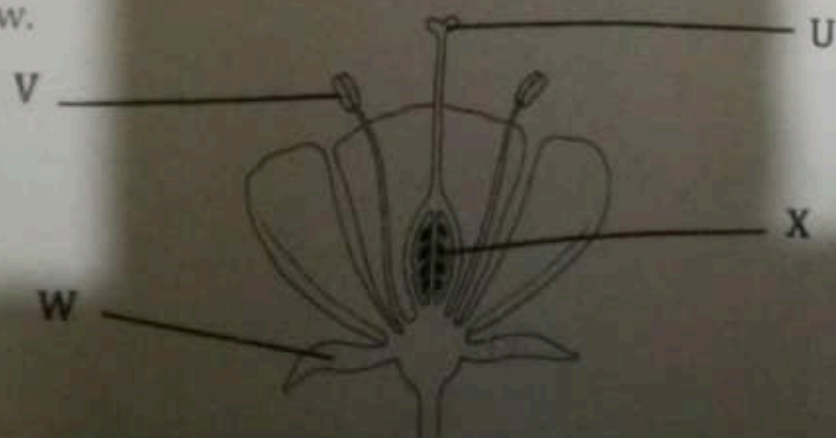
(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Identify any one human habit that spoils the liver.

\_\_\_\_\_

53. Study the diagram of a flower below and use it to answer the questions that follow.



(a) Name the parts marked **U** and **V**.

(i) **U** \_\_\_\_\_

(ii) **V** \_\_\_\_\_

(b) Why do you think flowers have structures **W** and **X**?

(i) **W** \_\_\_\_\_

(ii) **X** \_\_\_\_\_

54. (a) Identify any two common symptoms of yellow fever.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Name the vector for the yellow fever virus.

(c) Apart from vaccination, how else can one prevent getting sick from yellow fever?

55. (a) In the space provided below, draw the structure of a bird's feather and indicate the part called a **vane**.

(b) Give any two uses of feathers to a bird.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Identify any one use of feathers to humans.

**END**