

**EDUCATION SOURCE 2024**  
**P.7 END OF TERM ONE EXAMINATION 2024**  
**INTEGRATED SCIENCE**

*Time Allowed: 2 hours 15 minutes*

**Index No:**

Random No.						Personal No.		

**Candidate's name:** .....

**Candidate's signature:** .....

**District :** .....

**Read the following instructions carefully.**

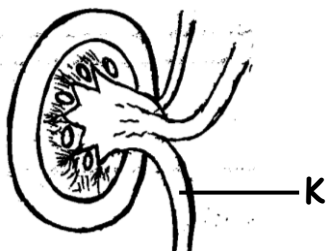
1. This paper is made up of two Sections:  
A and B.
2. Section A has 40 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Attempt all questions. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ballpoint pen or ink but not in pencil. All work done in pencil, except diagrams, will NOT be marked.
6. Unnecessary crossing out of answers will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Wrong spelling will lead to loss of marks

FOR EXAMINERS USE ONLY		
QN. NO.	MARK	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50- 52		
53 - 55		
TOTAL		

## **SECTION A**

1. Name any **one** renewable resource in the environment.  
\_\_\_\_\_
2. State the function of dry cells in a simple circuit.  
\_\_\_\_\_
3. Give **one** difference between mammals and birds.  
\_\_\_\_\_  
\_\_\_\_\_
4. Why should layers be given food rich in calcium?  
\_\_\_\_\_
5. How is mass different from volume in measurements?  
\_\_\_\_\_  
\_\_\_\_\_
6. Write the function of the epiglottis in the human body.  
\_\_\_\_\_
7. Which element of weather makes a hygrometer to work?  
\_\_\_\_\_
8. Besides washing, give **one** other step involved in cleaning clothes before drying them.  
\_\_\_\_\_
9. Give **one** quality of a good rabbit hutch.  
\_\_\_\_\_

**The diagram below shows an excretory organ. Use it to answer questions 10 and 11.**



10. Identify the excretory organ above.  
\_\_\_\_\_

11. Write the function of part marked **K** on the diagram above.
- 
12. Write any **one** activity done during antenatal visits.
- 
13. Which property of air makes a balloon to grow bigger when air is blown into it?
- 
14. Name the component of soil formed by decomposition.
- 
15. What is the importance of wax in the auditory canal?
- 
16. Identify the state of matter where molecules are widely spaced.
- 
17. Why is salt included in oral rehydration solution?
- 
18. Name **one** fungus that reproduces by means of spores.
- 
19. Give any **one** indicator of worm infestation in babies.
- 

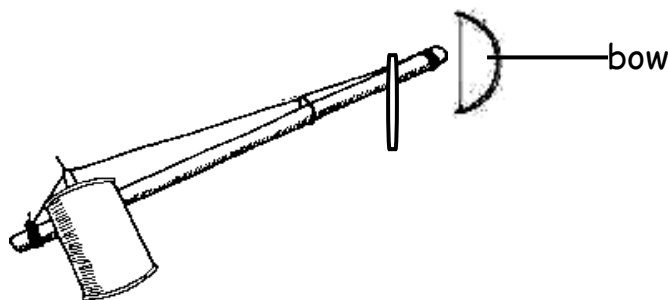
**The diagram below shows a food stuff. Use it to answer question 20.**



20. Which digestive disorder can be prevented by feeding on the above food stuff?
-

21. Give any **one** activity that promotes dental health.
- 
22. Which type of honey bees has an ovipositor?
- 
23. State the importance of salivary glands in the mouth.
- 
24. Write the importance of providing enough space to crops in the garden.
- 
25. Name any **one** type of reflection.
- 
26. Besides a hoe, give any **one** garden tool that can be used to dig the ground.
- 
27. Give any **one** difference between physical changes and chemical changes.
- 
- 
28. How is a granary useful in promoting food security?
- 
29. Write any **one** advantage of paddock grazing.
- 
30. Briefly explain how stagnant water near a home can lead to an increase in malaria cases.
- 
- 

**The diagram below shows a tube fiddle. Use it to answer questions 31 and 32.**



31. To which group of music instrument does the one shown above belong?
-

32. Give the function of the bow when producing sound using the above instrument.

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33. Why are victims of poisoning given plenty of fluids like milk?

---

34. Identify any **one** cause of anti-social behaviour in a school.

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35. Write any **one** secondary sex characteristic among adolescent boys.

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36. How can one recover salt that has dissolved in water?

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37. Give any **one** way the skin regulates body temperature.

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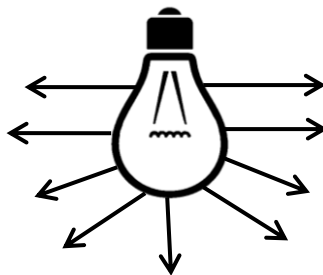
38. How does a hyena benefit from following predators like lions?

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39. Why is friction considered to be a nuisance force?

---

**The diagram below shows a property of light. Use it to answer question 40.**



40. Identify the property of light shown above.

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**SECTION B:**

41. a) Write down any **two** substances used to extinguish fire.

i. \_\_\_\_\_

ii. \_\_\_\_\_

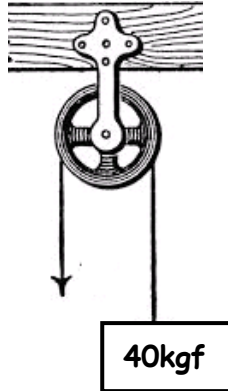
b) Give any **one** example of accidents caused by heat.

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c) Mention any **one** way fire accidents can be controlled at home.

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



a) Identify the type of pulley showed in the diagram above.

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b) In which way does the above pulley simplify work?

---

**c) Use an arrow to show the direction of the load.**

d) Calculate the effort needed to lift the load shown in the diagram above.

43. a) Name **one** poisonous substance found in tobacco smoke.

---

b) Give any **one** reason people give for smoking tobacco.

---

c) Identify any **one** respiratory disease which results from smoking tobacco.

---

d) Write down any **one** life style that can help one to stay away from smoking tobacco.

\_\_\_\_\_

44. a) State **one** dairy breed of goats.

\_\_\_\_\_

b) Give **one** advantage of rearing exotic breeds of goats.

\_\_\_\_\_

c) Name any **two** activities farmers do to care for their goats.

i. \_\_\_\_\_

ii. \_\_\_\_\_

45. a) State the importance of providing shade to seedlings in a nursery bed.

\_\_\_\_\_

b) Apart from providing shade, mention **two** other ways of caring for seedlings in a nursery bed.



i. \_\_\_\_\_

ii. \_\_\_\_\_

c) In which way is a nursery bed important in crop growing?

\_\_\_\_\_

46. **Complete the table below correctly.**

	Premolar	_____
	_____	Cutting food.
_____	_____	For tearing flesh.

47. a) Name the disease controlled by immunising children with **BCG** vaccine.

\_\_\_\_\_

b) How many doses of **BCG** vaccine does a baby receive?

\_\_\_\_\_

c) Which type of immunity does one get after being immunised with **BCG** vaccine.

\_\_\_\_\_

d) State one way of keeping vaccines safely.

\_\_\_\_\_

48. a) Name one method of making magnets.

\_\_\_\_\_

b) Write down one way people use permanent magnets.

\_\_\_\_\_

c) State any two ways through which permanent magnets can lose magnetism.

i. \_\_\_\_\_

ii. \_\_\_\_\_

49. a) Identify the type of latrine with a screen.

\_\_\_\_\_

b) State the importance of the screen on the above mentioned latrine.

\_\_\_\_\_

c) How is a latrine an important component of a clean home?

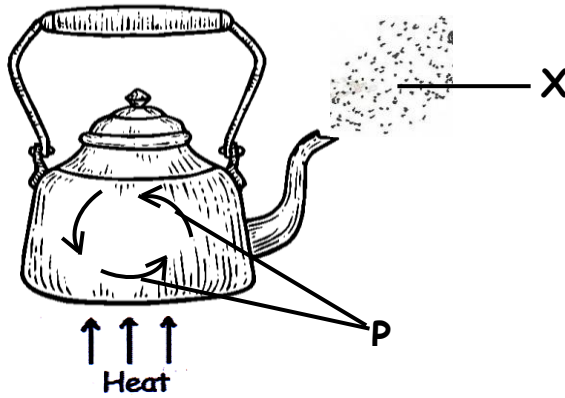
\_\_\_\_\_

d) Why should a latrine be constructed at least 30 metres away from the water source?

\_\_\_\_\_



50. **The diagram below shows water boiling in a kettle. Use it to answer the questions that follow.**



- a) Name the substance represented by **X**.  
\_\_\_\_\_
- b) By what process does heat move through the kettle to reach the water?  
\_\_\_\_\_
- c) What do the arrows marked **P** represent?  
\_\_\_\_\_
- d) State **one** way a P.7 girl can carry the above kettle without burning her hands.  
\_\_\_\_\_
51. a) Identify any **one** component of blood.  
\_\_\_\_\_
- b) State the importance of blood vessels in blood circulation.  
\_\_\_\_\_
- c) Name **one** main artery connected to the left side of the heart.  
\_\_\_\_\_
- d) Write **one** way of increasing the volume of blood in the body.  
\_\_\_\_\_
52. a) Mention **one** example of a plant that stores food in leaves.  
\_\_\_\_\_
- b) Apart from storing food, give **two** other uses of leaves to plants.
- i. \_\_\_\_\_
- ii. \_\_\_\_\_

53. a) Write down **one**-way sound can be stored.

\_\_\_\_\_

b) Give **one** reason for storing sound.

\_\_\_\_\_

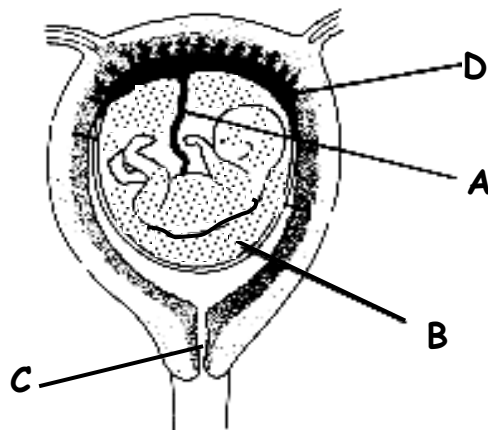
c) Mention any **one** way stored sound can be reproduced.

\_\_\_\_\_

d) Why is sound grouped under forms of energy?

\_\_\_\_\_

54. **The diagram below shows the female reproductive system during pregnancy. Use it to answer the questions that follow.**



a) Identify the parts labelled **C** and **A**

i. **C** \_\_\_\_\_

ii. **A** \_\_\_\_\_

b) State the importance of parts labelled **D** and **B** during pregnancy.

i. **D** \_\_\_\_\_

ii. **B** \_\_\_\_\_

55. a) Name the type of cattle that is kept for labour provision.

\_\_\_\_\_

b) Apart from providing labour, give **two** other reasons why people keep cattle.

i. \_\_\_\_\_

ii. \_\_\_\_\_

c) Mention **one** practice that controls endo parasites on a cattle farm.

\_\_\_\_\_

\*\*\*\*\* **END** \*\*\*\*\*