

# KABOJJA JUNIOR SCHOOL

## P. 7 Mot I Examination, 2025

### Basic Science and Health Education

Time allowed: 2 hours and 15 minutes

INDEX NUMBER

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**NAME:** \_\_\_\_\_

Signature: \_\_\_\_\_

#### EXAMINER'S USE ONLY

School \_\_\_\_\_

District \_\_\_\_\_

A	
B	
TOTAL	

#### Read the following instructions carefully:

1. The paper is made up of section A and B.
2. Section A has 40 short answer questions (40 marks).
3. Section B has 15 questions (60 answers).
4. Answer ALL questions. All answers to both section A and B must be written in the spaces provided.
5. All answers must be written in blue ink.
6. Any handwriting that cannot easily be read will lead to loss of marks.
7. Unnecessary alteration of work may lead to loss of marks.
8. Do not write in the box marked "Examiner's use only".

PARENT'S COMMENT	SIGNATURE

## **SECTION A**

1. Name the season suitable for planting crops.  

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2. Apart from promoting body growth, give any other value of proteins in the body.  

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3. Give one importance of toothpaste when brushing our teeth.  

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4. How does covering food help in controlling diarrhoea?  

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5. Why is a stone considered to be a solid state of matter?  

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6. A pupil burnt a piece of paper to ash, why couldn't this pupil get back the piece of paper from the ash?  

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**The diagram below is of a sickle. Use it to answer questions 7 and 8.**



7. What farming practice requires the use of the above tool?  

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8. Give one way how a farmer can take care of the tool above.  

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9. How is medicine taken through the mouth able to reach a wound on ones leg?

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10. Give the function of the saliva during food digestion.

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11. State the importance of a micropyle during seed germination.

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12. Write down one way people store sound.

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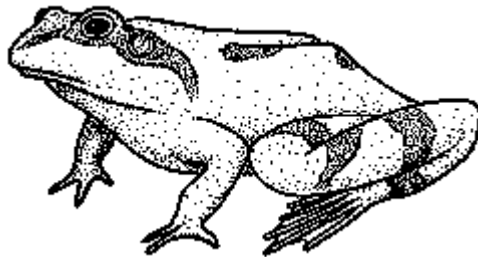
13. Give one example of a natural magnet.

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14. Mention one way renewable resources can be replaced when they are exhausted.

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**The diagram below is of a vertebrate. Use it to answer question 16 and 17.**



15. Under what group of vertebrates is the animal in the picture above?

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16. State one way the animal in the diagram above is similar to birds.

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17. What process enables the water in the saucepan to boil?

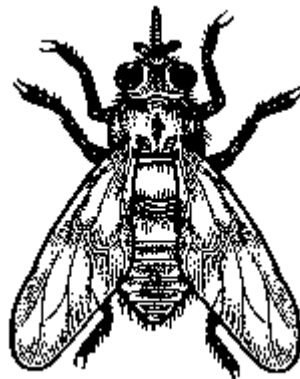
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18. Why is the displacement method the best in finding the volume of a stone?

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19. How does crop rotation control pests?  
\_\_\_\_\_
20. State one disadvantage of building a rabbit hutch at the ground level.  
\_\_\_\_\_
21. Give the process by which humus is formed from dead plants and animals.  
\_\_\_\_\_
22. Mention the cause of short circuits in electricity.  
\_\_\_\_\_
23. Give one secondary sex characteristic that occurs only in female adolescents.  
\_\_\_\_\_
24. How is a maize plant different from a fern in terms of reproduction?  
\_\_\_\_\_
25. State one way transmission of heat energy is different from that of sound.  
\_\_\_\_\_
26. Which part of a fertilized egg develops into a chick?  
\_\_\_\_\_
27. Give one method that can be used to conserve magnets.  
\_\_\_\_\_

**The diagram below is of a tsetsefly. Use it to answer questions 28 and 29.**



28. What disease is spread by the above vector to man?  
\_\_\_\_\_
29. Give one way of controlling tsetseflies in our environment.  
\_\_\_\_\_
30. What happens to the diaphragm during breathing in?  
\_\_\_\_\_
31. Give any one part of a lever.  
\_\_\_\_\_
32. Name the type of joint that enables our heads to nod.  
\_\_\_\_\_
33. State any one natural change that leads to environmental degradation.  
\_\_\_\_\_
34. Give one danger of setting a bee hive near a school.  
\_\_\_\_\_
35. State one way pests affect crops in the garden.  
\_\_\_\_\_
36. Give a reason why a fuse is different from a switch in terms of function.  
\_\_\_\_\_
37. How is yeast different from other fungi in terms of reproduction?  
\_\_\_\_\_
38. Give one way the circulatory system can be kept in a good healthy condition.  
\_\_\_\_\_
39. State any one life skill that can help an adolescent to avoid alcoholism.  
\_\_\_\_\_
40. How does the sweeping of a compound help to maintain sanitation in a home.  
\_\_\_\_\_

### **Section B**

41(a) State one way wind is beneficial:

(i) in crop growing

---

(ii) in generation of electricity

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(b) State one danger of wind in the environment.

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(c) How do trees around a garden protect the crops against the wind?

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42. Match items in table A to those in table B correctly.

<b>A</b>	<b>B</b>
dustbin	Used for personal hygiene
houseflies	Problem faced from poor disposal of rubbish
diseases	Found in rubbish pits
exercises	Good way of disposing rubbish
(a) dustbin	
(b) houseflies	
(c) diseases	
(d) exercises	

43(a) Name the blood cell destroyed by plasmodia.

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(b) How can we increase the volume of blood in the body?

---

(c) Give the function of the blood cells below:

(i) platelets

---

(ii) white blood cells

---

44(a) Give two characteristics of Reptiles.

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

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

(b) State one way reptiles:

(i) are similar to birds.

---

(ii) are different from birds.

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45(a) Why is mercury used in a clinical thermometer?

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(b) How is a kink useful in a clinical thermometer?

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(c) How is a clinical thermometer reset after use?

---

(d) State the difference between heat and temperature.

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46(a) Name one skeletal disease controlled by vaccination.

---

(b) Give one sign of a compound fracture in a victim of an accident.

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(c) Apart from a stretcher, give one way of carrying an accident victim.

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(d) Mention one possible cause of fractures.

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47(a) Why are animals regarded as renewable resources?

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(b) State one way we can use animals to solve our daily needs.

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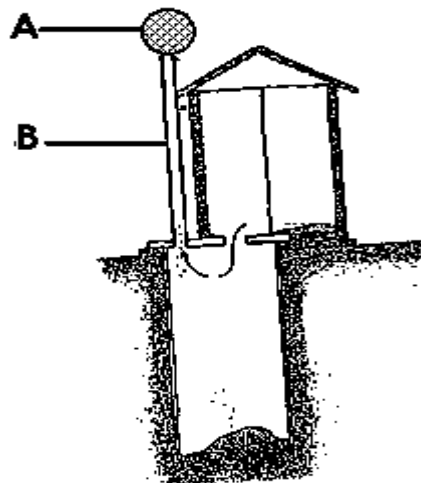
(c) Mention one example of a non-renewable resource.

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(d) Give one cause of extinction of animals in our environment.

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48. **The diagram below is of a latrine. Use it to answer questions about it.**



(a) Name part marked A.

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(b) Give the function of part marked B.

---

(c) Why is it not necessary to cover the hole of such a latrine after use?

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(d) How does such a latrine help to control diarrhoea?

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49. **The table below shows the immunisation schedule. Fill in the missing information to complete the table.**

AGE	VACCINE GIVEN	DISEASE	SITE
0 week	_____	_____	mouth
9 months	Miseals vaccine	miseales	_____
_____	DPT vaccine	Tetanus	Left upper arm

- 50(a)Mention one way people get infected with HIV.

\_\_\_\_\_

- (b) Give one way HIV affects the circulatory system.

\_\_\_\_\_

- (c) How can married couples protect themselves from HIV infection?

\_\_\_\_\_

- (d) State one way AIDS affects the community.

\_\_\_\_\_

- 51(a)Give one agent of seed disposal.

\_\_\_\_\_

- (b) Give one characteristic of the following:

- (i) succulent fruits

\_\_\_\_\_

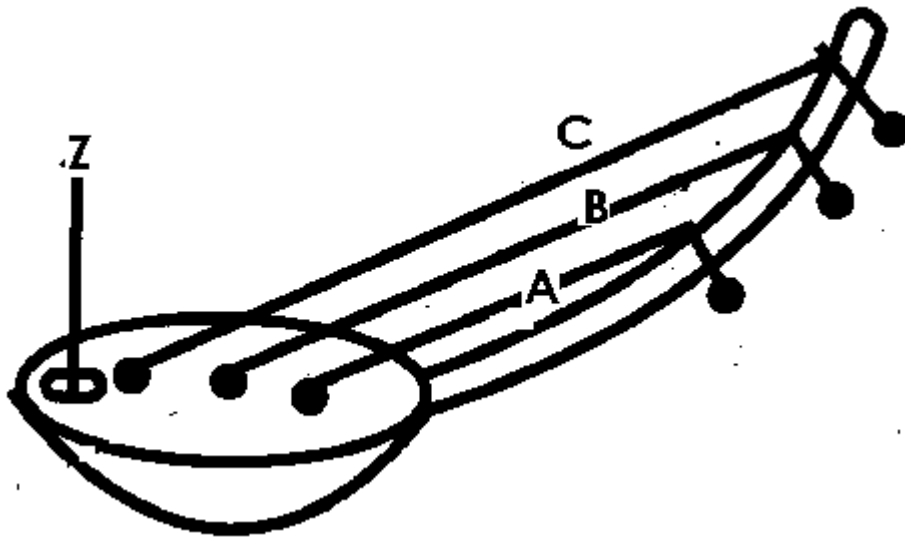
- (ii) berries

\_\_\_\_\_

- (c) How is seed disposal important in the environmet?

\_\_\_\_\_

52. **The diagram below is of a musical instrument. Use it to answer questions about it.**

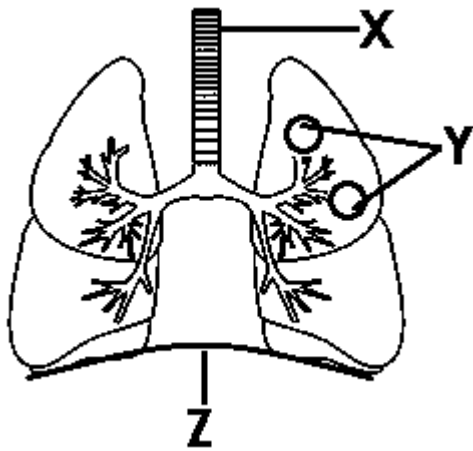


- (a) How does the above instrument produce sound?  
\_\_\_\_\_
- (b) Which of the strings A, B and C produces sound of the highest pitch?  
\_\_\_\_\_
- (c) Give the way the pitch of sound produced by this instrument can be changed.  
\_\_\_\_\_
- (d) State the function of part labeled Z .  
\_\_\_\_\_

53(a) Name the method used by poultry farmers to keep birds on a large scale in urban areas.  
\_\_\_\_\_

- (b) Why do poultry farmers in rural areas commonly use free range method?  
\_\_\_\_\_
- (c) How does poultry farming benefit a crop farmer?  
\_\_\_\_\_
- (d) Give one cause of poultry vices.  
\_\_\_\_\_

54. **The diagram below is of a respiratory organ. Use it to answer questions about it.**



- (a) Name part marked Z.  
\_\_\_\_\_
- (b) Give the function of part marked X.  
\_\_\_\_\_
- (c) How is part Y adapted to its function?  
\_\_\_\_\_
- (d) State one bacterial disease that attacks the organ above.  
\_\_\_\_\_

55(a) Give one principle of PHC.  
\_\_\_\_\_

- (b) State one role carried out by an individual to promote PHC.  
\_\_\_\_\_
- (c) What element of PHC is practices to control deficiency diseases?  
\_\_\_\_\_
- (d) Why is PHC called an Essential Health Care?  
\_\_\_\_\_