



**HORMISDALLEN SCHOOL - GAYAZA**  
**INTERNAL PRE-MOCK EXAMINATIONS – 2024**  
**PRIMARY SEVEN INTEGRATED SCIENCE**

**Name:** \_\_\_\_\_

**Branch:** \_\_\_\_\_ **Stream:** \_\_\_\_\_

**INSTRUCTIONS:**

1. Attempt all questions.
2. Any drawing must be done in pencil.
3. You must use a very good handwriting.

**TIME ALLOWED: 2hours 15minutes**

Examiner's Use Only	
SECTION A	
SECTION B	
TOTAL	

**SECTION A:**

1. Name the form of energy that enables our eyes to work  
\_\_\_\_\_
2. Mention any one example of a dairy breed of goats.  
\_\_\_\_\_
3. State the importance of brushing our teeth every after a meal.  
\_\_\_\_\_
4. In which state of matter does heat travel fastest?  
\_\_\_\_\_
5. Give any one common source of food in the environment.  
\_\_\_\_\_
6. Give an example of a renewable resource.  
\_\_\_\_\_

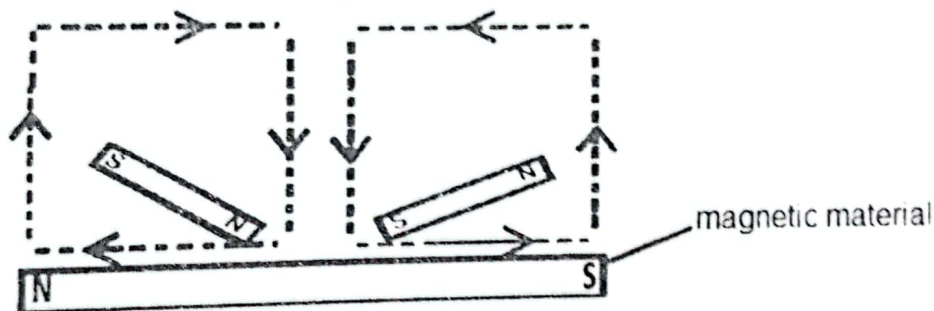
Use the diagram to answer question 7 and 8.



7. Name the compound leaf above  
\_\_\_\_\_
8. Mention any one raw material that enables the above leaf to make food.  
\_\_\_\_\_
9. Identify any one structural difference between a hen and a cock.  
\_\_\_\_\_

10. How do mammals care for their young ones in terms of feeding?
11. Given water and salt, which of the two will dissolve in the other after stirring?
12. Give a reason to support your answer in (11) above.
13. Mention any one characteristic of well-built toilet
14. Identify any one example of a primary cell.
15. State the importance of food taboo and beliefs to the environment.
16. How is a burn similar to a scald?
17. Why do car tyres get worn-out more quickly on tarmac than on marram roads?
18. Give any one disorder of the digestive system one is likely to get due to improper chewing of food.

Below is a method of magnetization, use it to answer question 19 and 20

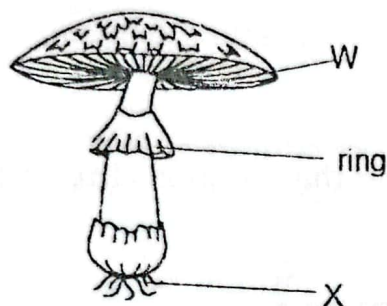


19. Name the method of magnetization shown in the diagram above
20. How can the magnetic material be demagnetised during the experiment shown in the diagram above?
21. Give any one example of a biological change that takes place in plants.
22. How do hook worms affect human health?
23. Mention any one common method of making water safe for drinking.
24. In which type of germination do cotyledons grow above the ground.
25. Give any one disease that spreads to human being through eating infected raw eggs.



26. How can the spread of Malaria be controlled at home?  
\_\_\_\_\_
27. Mention any one item used to put out fire.  
\_\_\_\_\_
28. Give any one example of a stem tuber  
\_\_\_\_\_
29. State the importance of lateral line to the body of a fish.  
\_\_\_\_\_
30. How does friction benefit a P.7 candidate during his/her time of examination?  
\_\_\_\_\_
31. Name the vector for sleeping sickness in man.  
\_\_\_\_\_
32. How can pitch of a guitar be increased?  
\_\_\_\_\_

Use the diagram below to answer the questions 33 and 34.



33. Name the fungus in the diagram above.  
\_\_\_\_\_
34. How is part marked W important to the organism above?  
\_\_\_\_\_
35. Okello used an effort of 20N to carry a load of 100N using a crowbar, what was the mechanical advantage of the crowbar?  
\_\_\_\_\_
36. Why is BCG vaccines given at birth to infants?  
\_\_\_\_\_
37. How far should a pit latrine be constructed from a water source?  
\_\_\_\_\_
38. Which form of energy is produced by a dry cell when the circuit is complete?  
\_\_\_\_\_
39. State the importance of sorting clothes before washing.  
\_\_\_\_\_
40. Name the organ that removes carbon dioxide and water vapour from the body during excretion.  
\_\_\_\_\_

SECTION B:

41a) Give any one quality of a good First Aider

\_\_\_\_\_

(b) Mention any one item found in a First Aid box

\_\_\_\_\_

(c) Give any two reasons for giving First Aid to casualties

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

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

42a) Mention any one factor that affects the rate of transpiration.

\_\_\_\_\_

(b) State the importance of transpiration to the following;

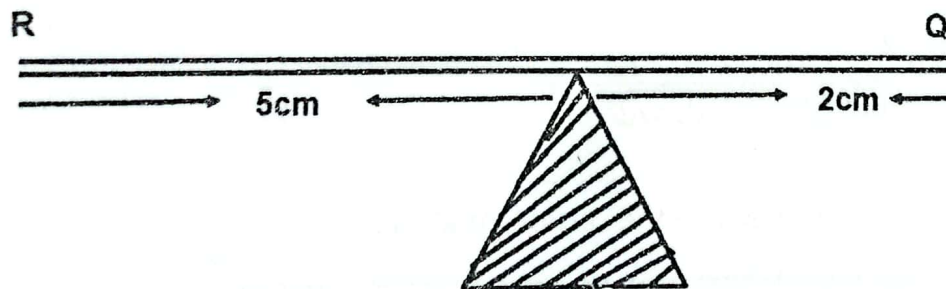
(i) plants \_\_\_\_\_

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

(c) How do farmers reduce the rate of transpiration when transplanting banana suckers?

\_\_\_\_\_

43. Below is a diagram of a simple machine. Use it to answer the questions that follow.



a) If Juma sits at point Q and Musa sits at point R to balance each other while using the above machine, who of the two is heavier?

\_\_\_\_\_

b) Give a reason to support your answer.

\_\_\_\_\_

c) To which class of lever does the above machine belong?

\_\_\_\_\_

d) Give any other example of a machine that belongs to the same class of lever you have mentioned in C above.

\_\_\_\_\_

44a) Mention any two similarities between birds and mammals

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

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



b) Give any two differences between birds and mammals.

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

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

45a) Mention any one record kept on a poultry farm

b) State any two importance of keeping farm records.

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

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

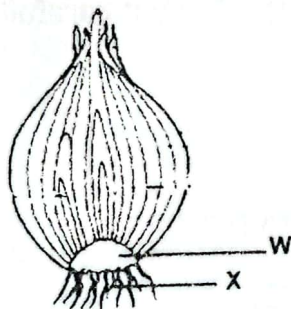
c) State any one challenge that a farmer is likely to face if he does not keep records of the farm

46a) What do we call a condition in which a person becomes addicted to alcohol after prolonged use?

(b) Give any two ways in which the condition you have mentioned above affect the family.

(c) Mention any one life skill that can help an individual to guard against drug abuse.

47. Below is a common vegetable crop grown by most farmers in Uganda today. Use it to answer the questions that follow.



a) How is the above crop propagated?

(b) Name the parts labelled X and W.

X \_\_\_\_\_ W \_\_\_\_\_

(c) State the importance of the crop above to man.

48a) Mention any one primary sex characteristics among the following;

i) girls \_\_\_\_\_

ii) boys \_\_\_\_\_

(b) Mention any two common secondary sex characteristics among adolescents girls and boys

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

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

49a) Give any one example of each of the following;

i) Renewable energy resource \_\_\_\_\_

ii) Non-renewable energy resource \_\_\_\_\_

(b) How does man use animals as energy resources?

(c) How can non-renewable energy resources be conserved in the environment?

50a) Given that the mass of an object is 20g with volume of 10cc. What is its density?  
(2 marks)

(b) Mention any one item that is less dense than water.

(c) State the difference between 1kg of stones and 1kg of feathers.

51. The table below shows crop growing practices and their uses. Study it carefully and answer the questions that follow.

A

B

CROP GROWING PRACTICE	IMPORTANCE
mulching	keeps the plant in its upright position.
crop rotation	retains water into the soil.
pruning	reduces the weight of a plant.
staking	starves crop pests to death.

Match the crop growing practices with their uses in B correctly.

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

(ii) Crop rotation \_\_\_\_\_

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

(iv) Staking \_\_\_\_\_

52a) What do we call an essential care in which individuals, families and communities work together to solve their common health problems?

(b) State the importance of working together during such programmes.

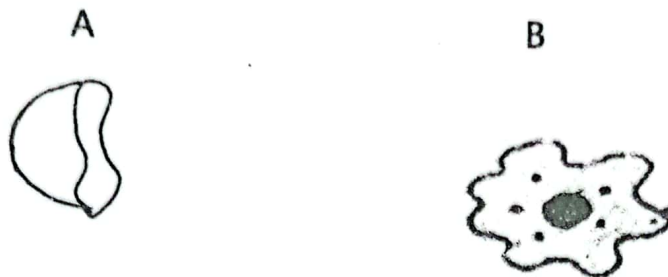
(c) Mention any one element of PHC that controls the spread of disease among people in the community



(d) How can a P.6 pupil promote PHC in a community

---

53. Below are blood cells use them to answer the questions that follow;



a) Name the blood cell marked A and B

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

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

(b) State the importance of blood cell B

---

(c) Mention any one other example of a blood cell apart from the ones shown in the diagrams above.

---

54a) Give the meaning of the following terms as used in sound

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

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

b) Mention any one way of storing sound.

---

c) State the importance of stored sound to man

---

55a) Mention any one component of the environment that is used in food preservation.

---

(b) Which method of food preservation requires the use of the above component?

---

(c) Why should food be preserved?

---

(d) State any one use of food to the human body.

---

END.