



**OMORO DISTRICT ACADEMIC COMMITTEE**  
**PRIMARY SEVEN MOCK ASSESSMENT 2024**  
**INTEGRATED SCIENCE**

**TIME ALLOWED 2 HOURS 15 MINUTES**

EMIS NO.					PERSONAL			

CANDIDATE'S NAME:.....

CANDIDATE'S SIGNATURE: .....

DISTRICT:.....

**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. Answer all questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers must be done using a blue or black ball-point pen or fountain pen.
4. Unnecessary changes of work may lead to loss of marks.
5. Any hand writing that cannot be easily read may lead to loss of marks.
6. Do not fill any thing in the boxes shown: "For Examiners" Use only" and those inside the question paper.

**FOR EXAMINER'S USE ONLY**

QN NO.	MARKS	EXAMINER'S NO.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

### SECTION A

1. Give any one example of a rodent.
2. Mention any one food that is used to prevent scurvy.
3. Which insect pollinates crops at night?
4. In which state of matter is water at  $0^{\circ}\text{C}$ ?
5. Name the body system responsible for breaking down food.
6. What is the importance of a swim bladder to a fish?
7. Why do people recovering from sickness need to eat food rich in proteins?
8. Give any one example of flightless bird.
9. How useful are spider webs to a spider?

**Use the diagram shown below to answer questions 10 and 11.**



10. What type of root system is shown above?
11. Give the function of the type of roots marked Z.
12. How does the skin reduce excessive heat in the body?
13. Why is a coin put under water in glass apper to be raised?
14. Which part in the human eye perform the same function as the auditory nerve in the ear?
15. Name the vector that spreads onchocerca vulvulus to humans.
16. Why do most plants in dry areas have thorny or needle-shaped leaves?

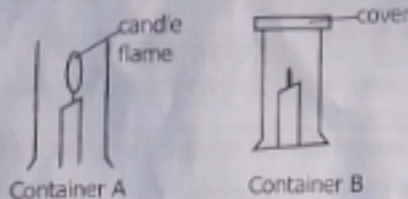
17. What is the importance of splinting to a fractured person?
18. In which part of the skeleton are suture joints found?

**The diagram below shows a lever. Use it to answer questions 19 and 20**



19. At which position  $E_1$  and  $E_2$  should the effort be applied in order to use little effort as possible?
20. Give the reason for your answer in question (a) above.
21. Name the form of static electricity in nature.
22. Why does air breathed out contain less oxygen than air breathed in?
23. Give an example of a luminous object.
24. Why is it easier to pull the rope downward than upward when lifting a load using a pulley?
25. Give the advantage of alternating current electricity over direct current electricity.
26. Name the childhood immunisable disease that has the following signs spatum with blood, prolonged cough and night sweat.

**The diagram below shows a burning candle in an open container. Diagram B the candle burning was covered as shown below. Use the diagram to answer question 27.**

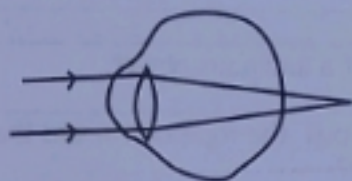


27. Why did the flame go off after some time in container?



28. What type of change is moulting in snakes and cockroaches?
29. Give any one example of solitary insect.
30. How is a xylophone different from guitar as musical instrument?
31. Of what importance is the screen on VIP latrine?
32. To which class of lever does the human arm belong?
33. What term is given to the act of giving birth in pigs?
34. Mention any one way of hardening off seedling.
35. What name is given to the female reproductive cells in human.

**The diagram below shows an eye defect. Use it to answer question 36 and 37**



36. What type of eye defect is shown above?
37. How can the above eye defect be corrected?
38. Name the force that holds the molecules of solid.
39. Give the importance of friction to a P.7 candidate sitting for mock examination.
40. Of what importance are the valves found in the heart?

#### **SECTION B**

- 41a) In which part of plant does photosynthesis take place?
- b) Mention any two raw materials needed for photosynthesis to take place.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- c) What is the importance of chlorophyll during photosynthesis?

42a) State any two ways of conserving wood fuel.

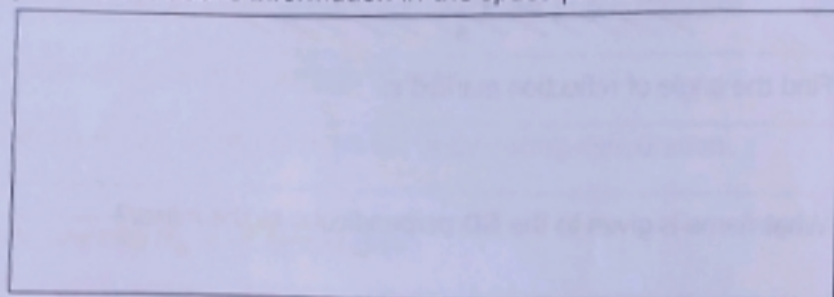
- i) \_\_\_\_\_
- ii) \_\_\_\_\_

b) In which two ways does the use of wood fuel affect the environment?

- i) \_\_\_\_\_
- ii) \_\_\_\_\_

43) Nelly weighing 72Kg sits 5m from the fulcrum on the see-saw and balances with Nancy seated 6m from the fulcrum on the other side of the see-saw.

a) Represent the above information in the space provided below.



b) Work out Nancy's weight.

44a) In which part of the lungs does gaseous exchange take place?

b) Why is the trachea made of rings of cartilage?

c) Mention any two wastes excreted by the lungs.

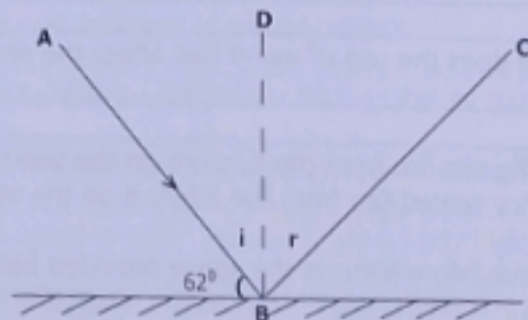
- i) \_\_\_\_\_
- ii) \_\_\_\_\_

45. Match the following tools to their uses on a cattle farm.

Tools	Uses
Strip cup	Giving liquid medicine to cattle
Lactometer	For castrating bulls
Drenching gun	Measuring density of milk
Burdizzo	Detecting presence of Mastitis in milk

- i) Strip cup \_\_\_\_\_
- ii) Lactometer \_\_\_\_\_
- iii) Drenching gun \_\_\_\_\_
- iv) Burdizzo \_\_\_\_\_

The diagram below shows a ray of light striking a mirror. Use it to answer question 46.



- a) Find the angle of reflection marked **r**.
- ii) What name is given to the **BD** perpendicular to the mirror?

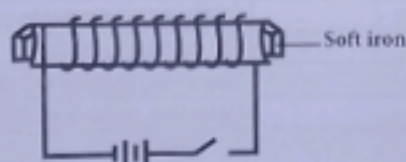
- ii) Put an arrow or line BC to show direction of the ray of light.
- b) Mention any one use of plane mirrors.

47a) What are essential drugs?

b) Write down any two qualities of essential drugs.

- i)
- ii)
- c) Give any one advantage of laboratory manufactured drugs over traditional drugs.

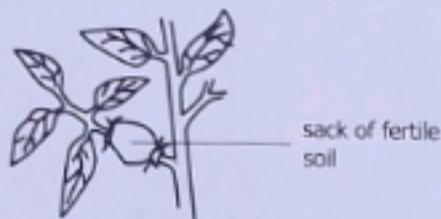
The diagram below shows a method of making magnets use it to answer question 48.



48a) Which method of making magnet is shown above ?

- b) Why is a soft iron used to make a magnet using the above method?  
\_\_\_\_\_
- c) Give two ways of making a magnet made using the above method strong.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_
- 49a) How is sound produced?  
\_\_\_\_\_
- b) Give one natural source of sound.  
\_\_\_\_\_
- c) State one way in which echoes are important in our daily life.  
\_\_\_\_\_
- d) Mention any one disadvantage of echo.  
\_\_\_\_\_
- 50a) Write down two salts lost from the body during dehydration.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_
- b) State any two signs of dehydration.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_

**The diagram below shows a method of artificial vegetation propagation. Use it to answer question 51.**



- 51a) Name the method of artificial vegetative propagation shown above.  
\_\_\_\_\_
- b) Apart from the above method, give other method of artificial vegetation propagation.  
\_\_\_\_\_
- c) Mention any two advantages of artificial vegetation propagation.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_
- 52a) What is soil erosion?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



b) State any one human activity that lead to soil erosion.

c) Mention any two agents of soil erosion.

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

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

53a) What type of skeleton do human being have?

b) Mention any two functions of the skeleton.

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

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

c) Mention any one way of caring for the skeleton.

54a) Name any two characteristics of a physical change.

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

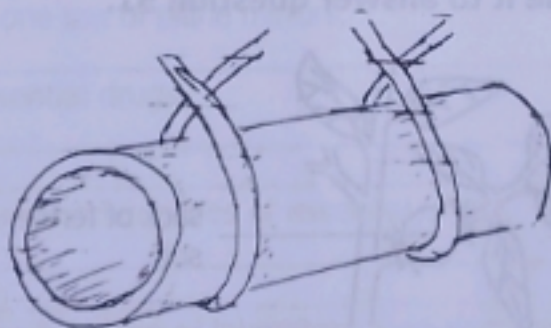
ii) \_\_\_\_\_

b) Give any two examples of physical change.

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

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

**The diagram below shows a beehive. Use it to answer questions 55.**



55a) What name is given to the bee hive shown above?

\_\_\_\_\_

\_\_\_\_\_

b) Give any two disadvantages of the bee hive shown above.

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

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

c) Apart from bee hive shown above, name any one other example of a bee hive.

\_\_\_\_\_

**\*\*\* WISHING YOU GOOD LUCK\*\*\***