

NJERU/LUGAZI MUNICIPALITIES

PRIMARY SEVEN JOINT MOCK EXAMINATION

2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.

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Candidate's Name:

Candidate's Signature:

School:

Read the following instructions carefully

1. This paper has two sections: **A** and **B**.
2. Section A has 40 questions (**40 marks**)
Section B has 15 questions (**60 marks**)
3. Answer all questions. All answers to both Section A and B must be written in the spaces provided.
4. All answers must be written using a **blue** or **black ball-point** pen or fountain pen.
5. Unnecessary changes of work may lead to **loss of marks**. All diagrams must be drawn in pencil.
6. Any handwriting that cannot easily be read may **lead to loss of marks**.
7. Do not fill anything in the boxes indicated;
"For Examiners' Use Only"

FOR EXAMINER'S USE ONLY		
Qn. No	MARKS	SIGN
01-10		
11-20		
21-30		
31-40		
41-50		
51		
52		
53		
54		
55		
TOTAL		

Turn Over

SECTION A (40 Marks)

1. Name the body sense that enables a P.7 candidate to receive his/her teacher's instructions.

2. On which part of an insect do we find halteres?

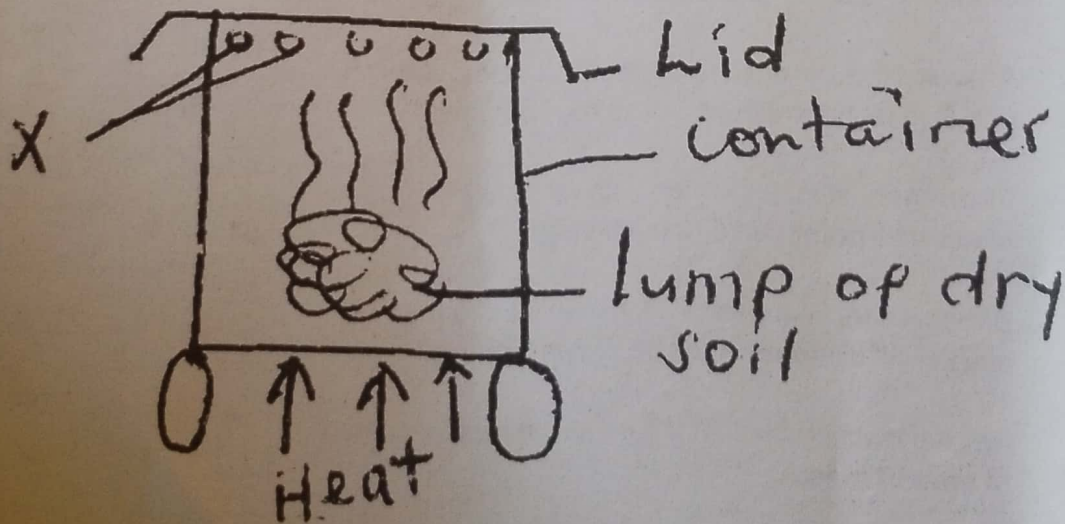
3. State one way light is similar to sound.

4. Give one first aid for a simple fracture.

5. State one characteristic of dairy cattle

6. Give one example of a pome fruit.

The diagram below shows an experiment about soil. Use it to answer questions 7 and 8.



7. By what process are substances X formed?

8. Name one nitrogenous compound found in people's sweat.

9. In the space below, draw a compound trifoliate leaf.

10. How important is sweating to the body of a human being?

11. Give one common basic sex characteristic among adolescent boys and girls.

12. Whenever Okello closes or opens the door, the hinges make noise. What advice would you give to him to control the noise?

13. Give one role of children in a home.

14. Where does fertilization take place in a heifer?

15. Change 0°C to $^{\circ}\text{F}$

16. Which element of PHC is promoted when a pregnant woman goes to hospital for checkups?

17. Name the Vector that spreads dengue fever.

18. Salt dissolved in water after stirring, how would you recover salt from the mixture?

19. State one way of caring for HIV/AIDS patients.

20. Give one way parents can control non-communicable diseases at home.

21. Write any one type of poultry.

22. What happens to biceps muscles when the triceps contracts?

23. State one way single fixed pulley are used at school.

24. How do pupils promote sanitation in their school?

The diagram below is of a type of tooth, use it to answer question 25 and 26.



25. Give the role of the above tooth during digestion of food.

26. Why do Molar teeth decay so fast?

27. How do horsetails reproduce?

28. Give any one life skill that children need to safe guard themselves against smoking

29. How are PIASCY messages important to a school child?

30. Why is it difficult to separate iron filings from screw nails using a magnet?

31. Besides being a source of food, how else are snakes useful to people?

32. In one sentence, give the meaning of the term "Matter"

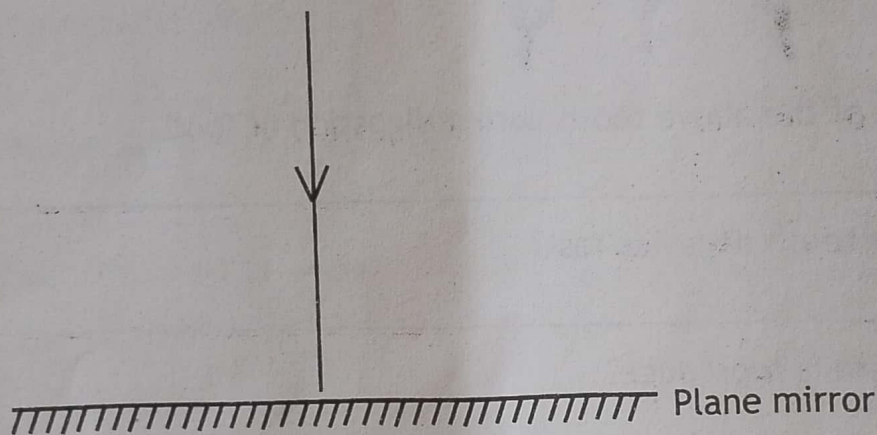
33. How can a crop farmer take care of his hoes?

34. Name one force that hinders the efficiency of a machine.

35. Name any one part of the digestive system which is not part of the alimentary canal.

36. Why is DPT vaccine first administered to babies at 6 weeks?

37. Complete the ray of light correctly.



38. Apart from carbohydrates, give any other class of food that provides people with energy.

39. Name any one practice that damages people's skins

40. Give any one way people can promote food security in their homes.

SECTION B (60 Marks)

41. a) How is sound written on a chalkboard reproduced?

b) Give one importance of sound to a P.7 candidate.

c) Mention any two devices that store sound.

(i) _____

(ii) _____

42. a) Write one method used for making.

(i) Clean water for domestic use:

(ii) Safe water for drinking:

b) Which term refers to the deposition of eroded materials into water bodies?

c) Why should clothes be sorted before washing?

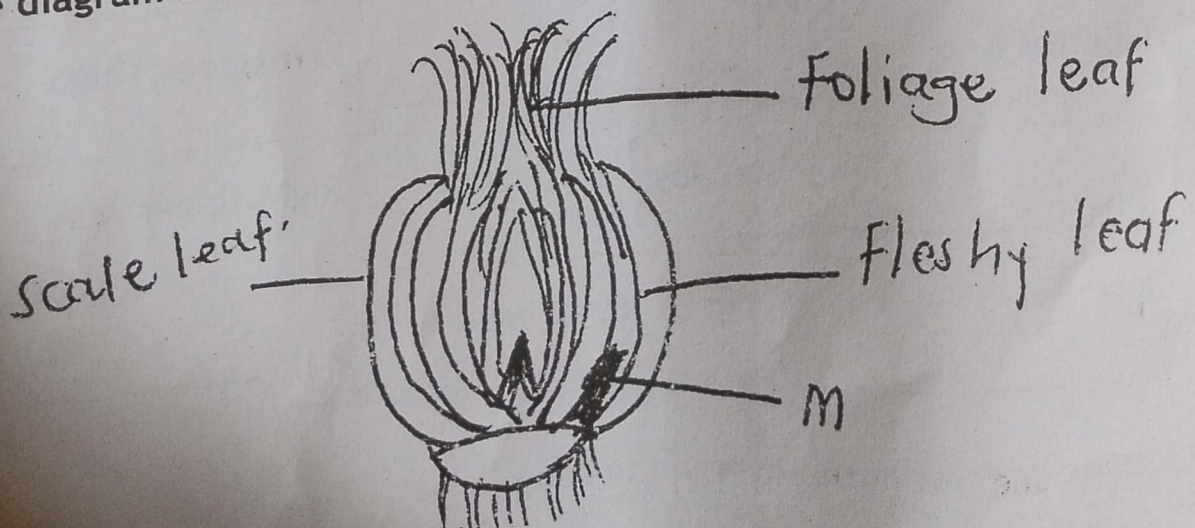
43. How can you take care of the sick at home?

b) Give one importance of breast feeding to a mother.

c) State one danger of food taboos to people.

d) Name one condition that results from over consuming fatty foods.

The diagram below is of a bulb. Use it to answer question 44.



44. Give one functional difference between foliage leaf and fleshy leaf on the above bulb

b) Which food value do we get from eating an onion?

c) State the use of a stem to an onion.

d) How is the above plant propagated?

45. How do most fungi reproduce?

b) Mention any one fungal disease in plants.

c) Give the importance of gills to a mushroom.

d) How are bacteria dangerous to people?

46. Complete the table correctly.

Vaccine	Age	Site
(i) _____	36 Weeks	Left Upper Arm
Hepatitis B	(ii) _____	Left Upper Thigh
(iii) _____	0 day	Right Upper Arm
DPT	At 6, 10, 14, weeks	(ii) _____

47. State one role of the liver in the body.

b) Write any two diseases that affect the liver.

(i) _____

(ii) _____

c) State one practice that destroys the liver.

48. Give the meaning of the term "Oral health"

b) Write any one importance of keeping our body clean.

c) Name one example of a self-inflicted disease

d) State the danger of poor oral health

49. Match animals and their way of producing young ones.

List A

List B

Goat

Kindling

Sheep

Kidding

Pig

Lambing

Rabbit

Farrowing

(i) Goat

(ii) Sheep

(iii) Pig

(iv) Rabbit

50. Name the smallest blood vessels in the body.

b) Which component of blood is destroyed by plasmodia germ.

c) Give one way of increasing the volume of blood in the body.

d) State one structural difference between Veins and Arteries.

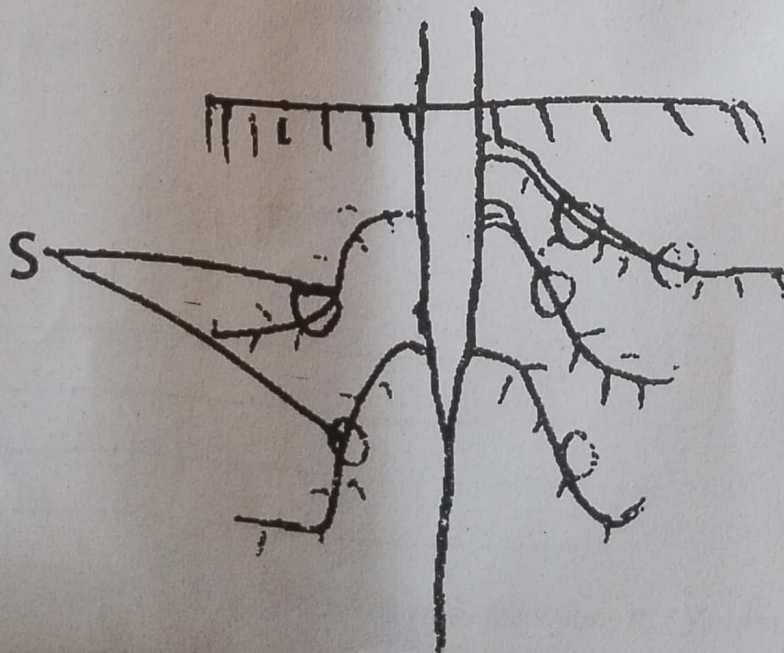
51. What name is given to manufactured food for rabbits?

b) State any one importance of keeping a rabbit hutch clean.

c) Mention any one disease that affects both rabbits and human beings.

d) State one reason why rabbit farmers keep records.

52. The diagram below is of a leguminous plant, use it to answer question 52.



a) Identify the root system above

b) State the importance of structures marked S.

c) Which component of air helps the above plant to make proteins?

d) Give one example of a plant with such a root system.

53. a) How do carnivores depend on plants?

Below is a food chain. Use it to answer question 53b and c

BACTERIA

HEN

LOCUST

MAIZE

SUN

53b) Complete the food chain using arrows to show energy flow.

c) Identify the producer in the above chain.

d) State the role played by bacteria in the food chain.

54. State one of the energy changes that take place in a working electric bulb.

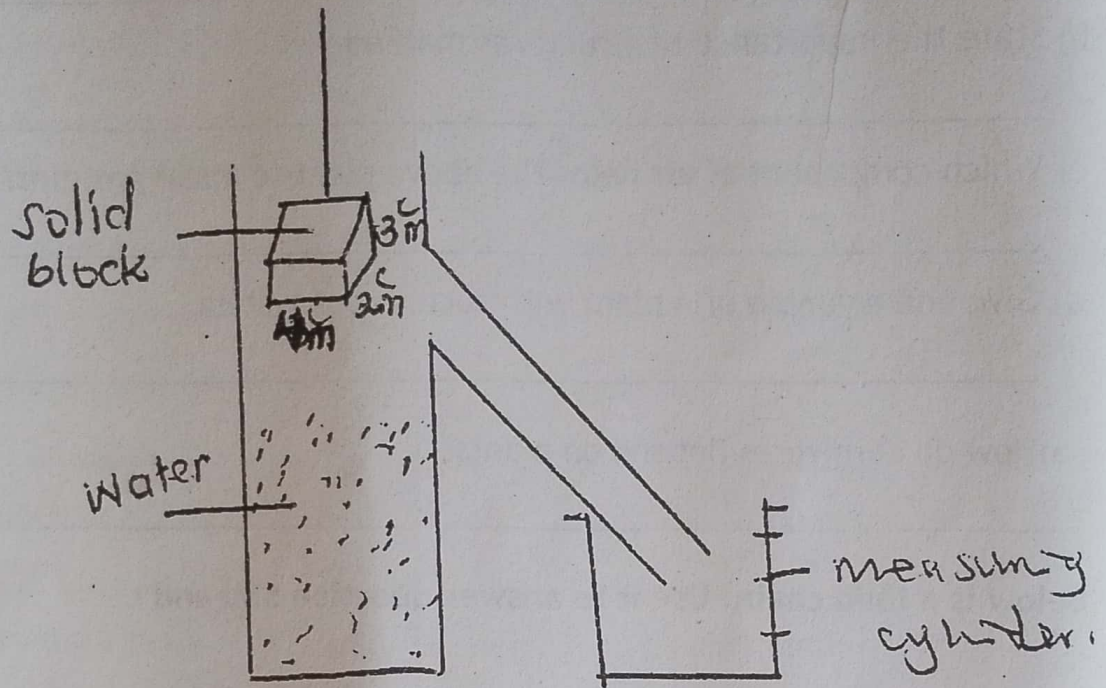
b) Name the form of energy produced by a dry cell in use.

c) Give two devices that use both electricity and magnetism.

(i)

(ii)

55. The diagram below shows an experiment used to find the volume of a regular solid block. Use it to answer question 55 correctly.



- a) How much water will be collected in the measuring cylinder (2marks)

- b) Why will the amount of water you have got be collected in the measuring cylinder?

- c) Why will the solid block sink in water?

****Good Luck ****