

MUBENDE MUNICIPAL SCHOOLS
ASSESSMENT SET IV, 2024
PRIMARY SEVEN
INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.

Random No.	Personal No.

Candidate's Name:

Candidate's Signature:

District ID No:

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Read the following instructions carefully:

1. Do not write your school or district name anywhere on this paper.
2. This paper has two sections: A and B. Section A has 40 questions and Section B has 15 questions. The paper has 8 printed pages altogether.
3. Answer all questions. All answers to both Sections 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 ink. Any work written in pencil other than graphs and diagrams will not be marked.
5. Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the table indicated: "For Examiners' Use Only" and boxes inside the question paper.

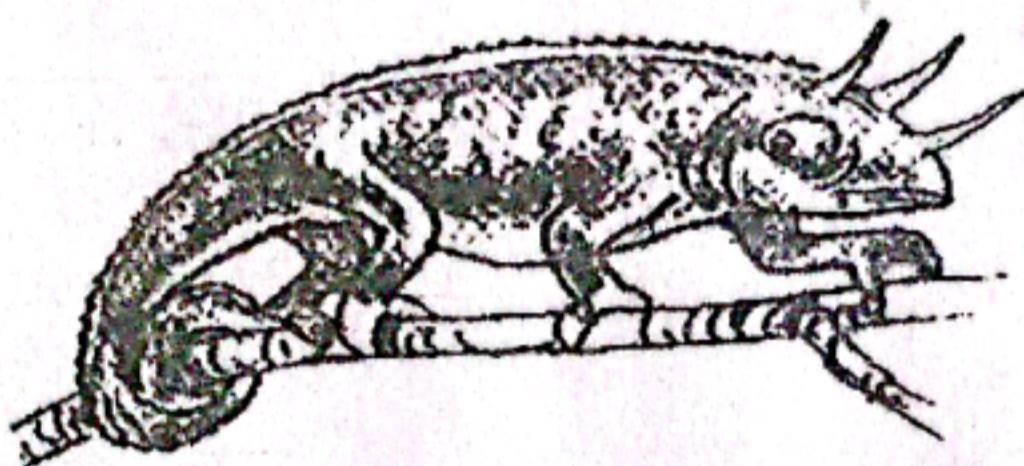
FOR EXAMINERS' USE ONLY		
Qn. No.	Marks	EXR'S NO.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

1. How do caterpillars move from one place to another?
.....
2. Which human body organ functions as an information centre?
.....
3. Why is a refrigerator able to keep meat free from germs?
.....
4. Why do farmers usually sow their seeds at the beginning of a wet season?
.....
5. Give a reason why water finds its own level?
.....
6. Write down any one benefit of thinning in crop farming.
.....

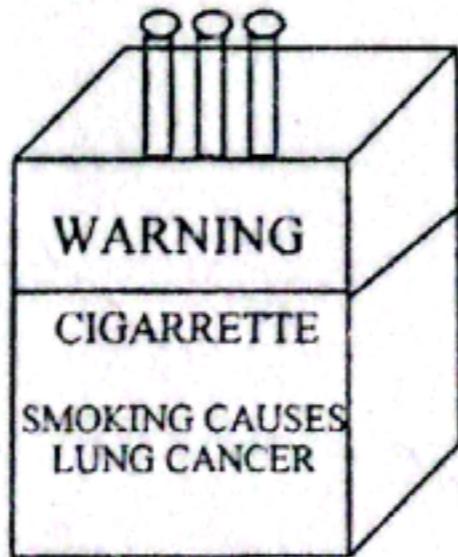
The diagram below shows a vertebrate. *Study and use it to answer questions 7 and 8.*



7. Name the vertebrate shown in the diagram above.
.....
8. Give the reason why the tongue of the above animal is able to trap insects for food.
.....
9. Why do children infected with tape worm lose weight?
.....
10. Which part of air occupies the least percentage in the atmosphere?
.....
11. Name the second stage in the life cycle of a cockroach.
.....
12. Give a reason why musicians tighten the strings of a harp.
.....
13. Why is a biogas digester buried in soil when producing biogas?
.....

14. State any one factor which increases the rate of transpiration.
.....
15. Why does blood pass through the liver during circulation?
.....
16. Give any one way of saving the life of a fainting casualty.
.....
17. Write down any one non metallic conductor of electricity.
.....
18. Which immunisable disease spreads through drinking unboiled milk from an infected cow?
.....
19. Give any one benefit of using artificial fertilizers in crop farming.
.....
20. What is the function of the canine teeth in the human body?
.....
-
21. Give any one type of records kept on a rabbit farm.
.....
22. How do farmers manage soil erosion on their farms?
.....

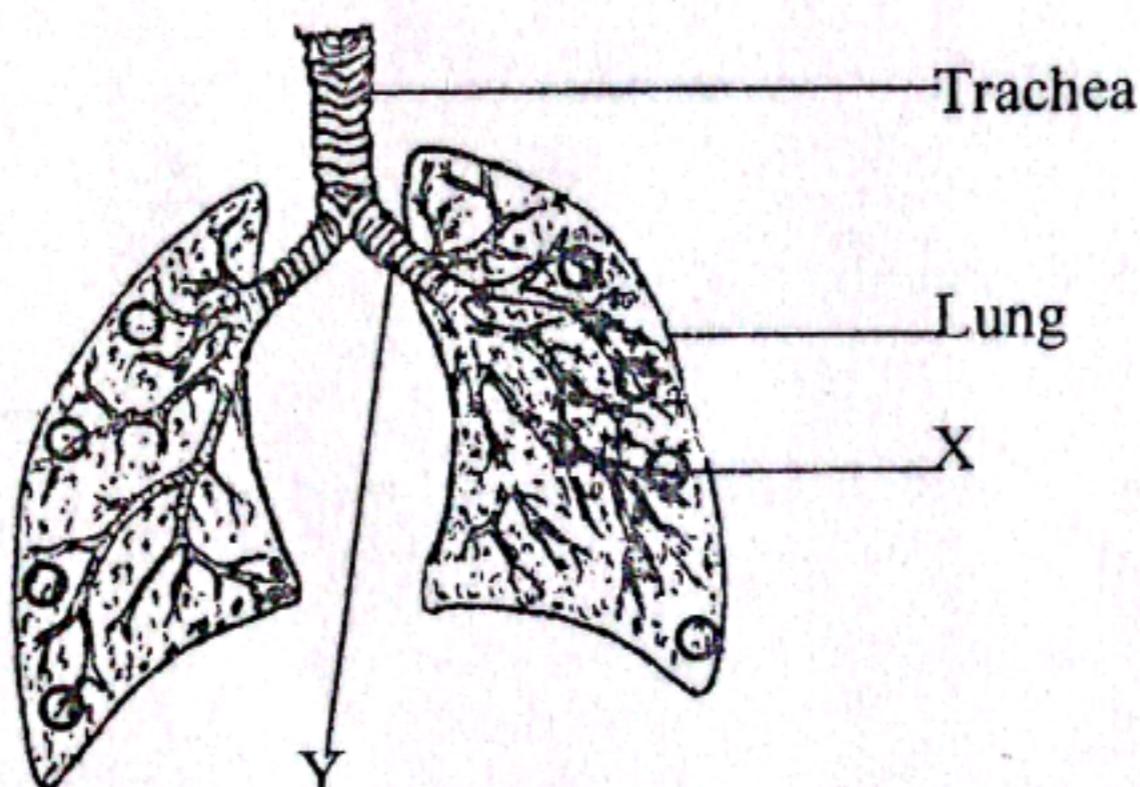
Study the diagram below and use it to answer questions 23 and 24.



23. What is the warning about?
.....
24. Why is the above warning put on cigarette packets?
.....
25. Name the fungal disease which affects the human reproductive system.
.....
26. How are moss plants similar to fern plants in the way they reproduce?
.....
27. Name the standard measuring units for weights of objects.
.....

28. How do plastic materials affect the soil?
.....
29. Why should a pit latrine be constructed downhill a water source?
.....
30. State the importance of regular turning of the eggs by a broody hen during incubation.
.....
31. Write down any one food material human beings get from animals.
.....
32. Give any one similarity between bacteria and fungi.
.....
33. Why should cattle farmers spray calving areas with disinfectants?
.....
34. Write down any one type of body disability.
.....

The diagram below shows a respiratory organ. Study and use it to answer questions 35 and 36.



35. Name the part marked Y on the diagram above.
.....
36. Which important respiratory process takes place in the part marked X?
.....
37. State the importance of moulting in reptiles.
.....
38. Which part of a housefly has the same function as the human ear.
.....
39. State any one way human beings use animals to produce energy.
.....
40. How is measles vaccine administered in the human body?
.....

SECTION B: 60 MARKS

(Questions 41 to 55 carry four marks each.)

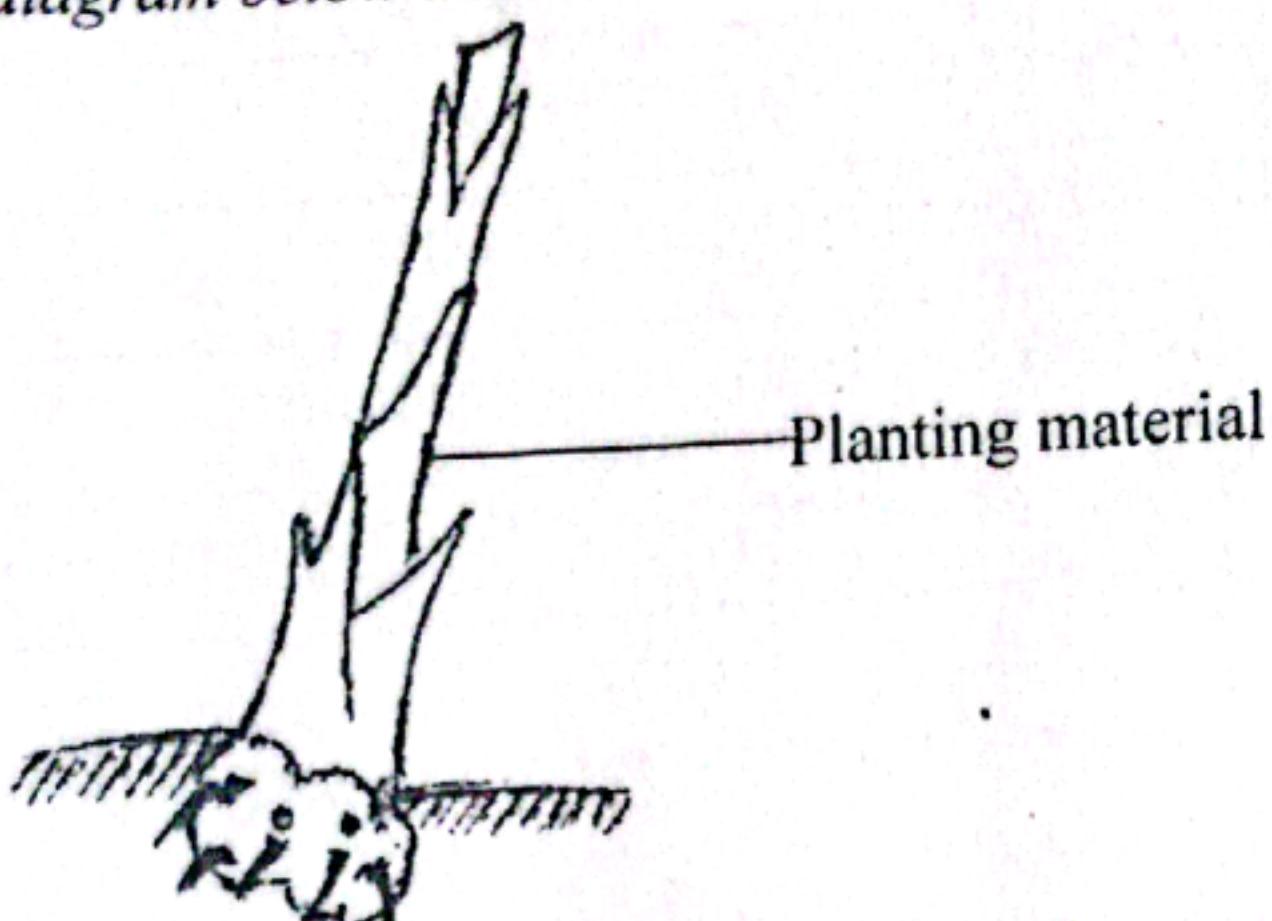
41. (a) What is human development?

.....
(b) Why do adolescents become more interested in members of opposite sex?

.....
(c) Give any two emotional changes which occur among adolescents.

(i).....
(ii).....

(iii).....
Study the diagram below and use it to answer the questions that follow.



42. (a) Name the planting material shown in the diagram above.

.....
(b) Why are the leaves of the above planting material cut before planting?

.....
(c) Give any two benefits of the above method of reproduction in plants.

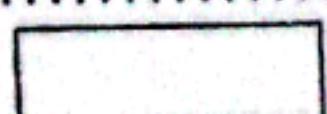
(i).....
(ii).....

43. (a) State the importance of a Stevenson screen at the weather station.

.....
(b) Why is the Stevenson screen made of roovers?

.....
(c) Give any two weather instruments kept in a Stevenson screen.

(i).....
(ii).....



44. (a) What is the gestation period of a cow?

.....
(b) Write down two signs of pregnancy in cattle.

(i).....
(ii).....

(c) Why do cattle farmers steam up their cattle?

.....
.....
.....
.....

45. (a) What is a fracture?

.....
.....
.....
.....

(b) State the function of splints when giving first aid for fractures.

.....
.....
.....
.....

(c) Apart from splints, give any two objects used when giving first aid for fractures.

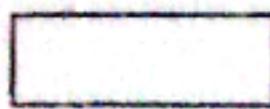
(i)

(ii)

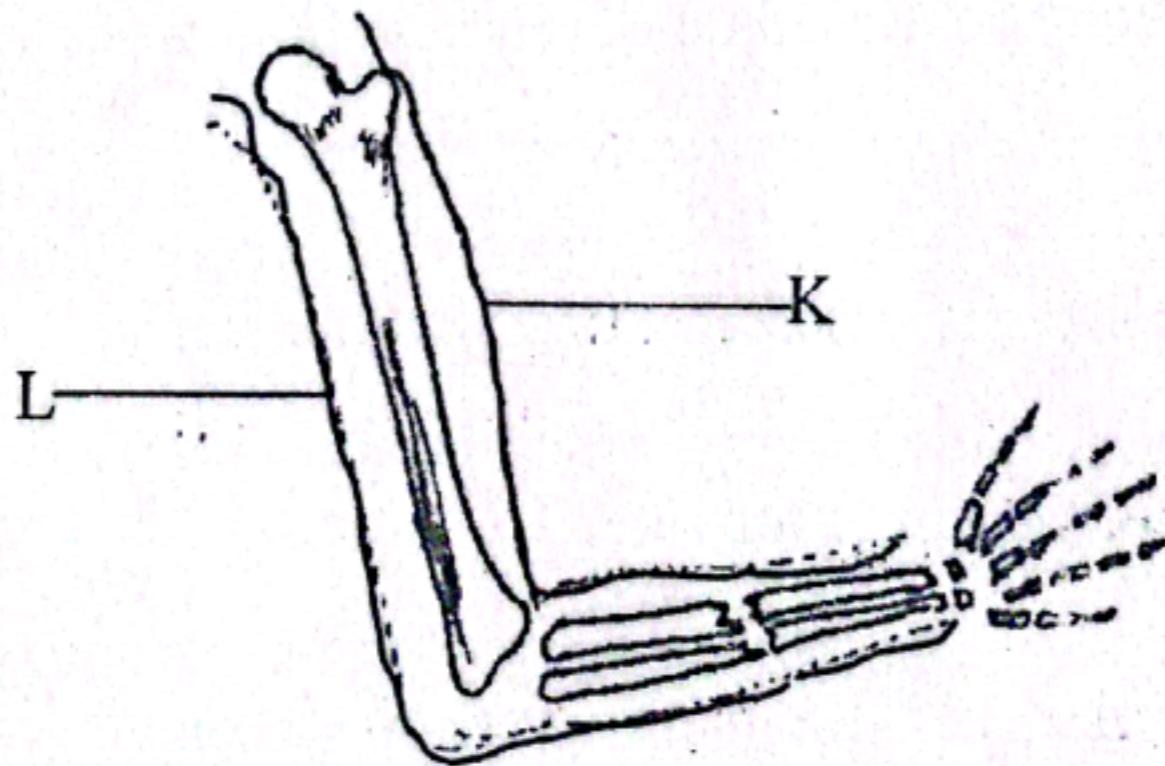
46. Match parts of an electric circuit with their uses correctly.

	Part (s)	Use (s)
(i)	Switch	Measures electric pressure
(ii)	Appliance	Breaks the circuit at one's will
(iii)	Fuse	Changes electricity into other forms
(iv)	Voltmeter	Breaks the circuit in case there is too much flow of current

- (i) Switch
- (ii) Appliance
- (iii) Fuse
- (iv) Voltmeter



The diagram below shows the human arm. Study and use it to answer questions that follow.



47. (a) Name the muscles of the human body marked;

(i) K

(ii) L

(b) Why are the muscles marked K and L called voluntary muscles?

.....
.....
.....

(c) What happens to muscle K when the human arm is bent?

48. (a) Name any two methods used to harvest cassava from the garden.
 (i).....
 (ii).....
- (b) Give any two reasons why harvested cassava should be processed.
 (i).....
 (ii).....
49. (a) Name the commonest way HIV/AIDS spreads among human beings.

 (b) Why are sex workers at a high risk of getting HIV/AIDS infection?

 (c) How can HIV/AIDS infection be prevented in the following groups of people;
 (i) School children?

 (ii) Married couples?

50. (a) How do worker bees use propolis from plants?

 (b) Why are the worker bees referred to as a nurse bee in the hive.

 (c) Give any two roles of worker bees in the hive.
 (i).....
 (ii).....
51. Complete the table below correctly.
- | Group | Example | Feature |
|--------------|----------------|--------------------------------|
| Myriapods | (i)..... | A pair of legs on each segment |
| (ii)..... | Crab | Hard crusty exo skeleton |
| Insects | Mosquito | (iii)..... |
| (iv)..... | Spider | 8 legs |
52. (a) How does malaria spread among human beings?

 (b) State one way each of the following practices controls malaria in the community;
 (i) Sleeping under mosquito nets.

(ii) Draining stagnant water.

.....

(iii) Clearing bushes.

.....

53. (a) Give any two reasons why minerals should be used sparingly.

(i)

(ii)

(b) Why are minerals called non renewable resources?

.....

(c) How does the use of alloys conserve minerals as resources?

.....

54. (a) Give any two causes of bottle feeding.

(i)

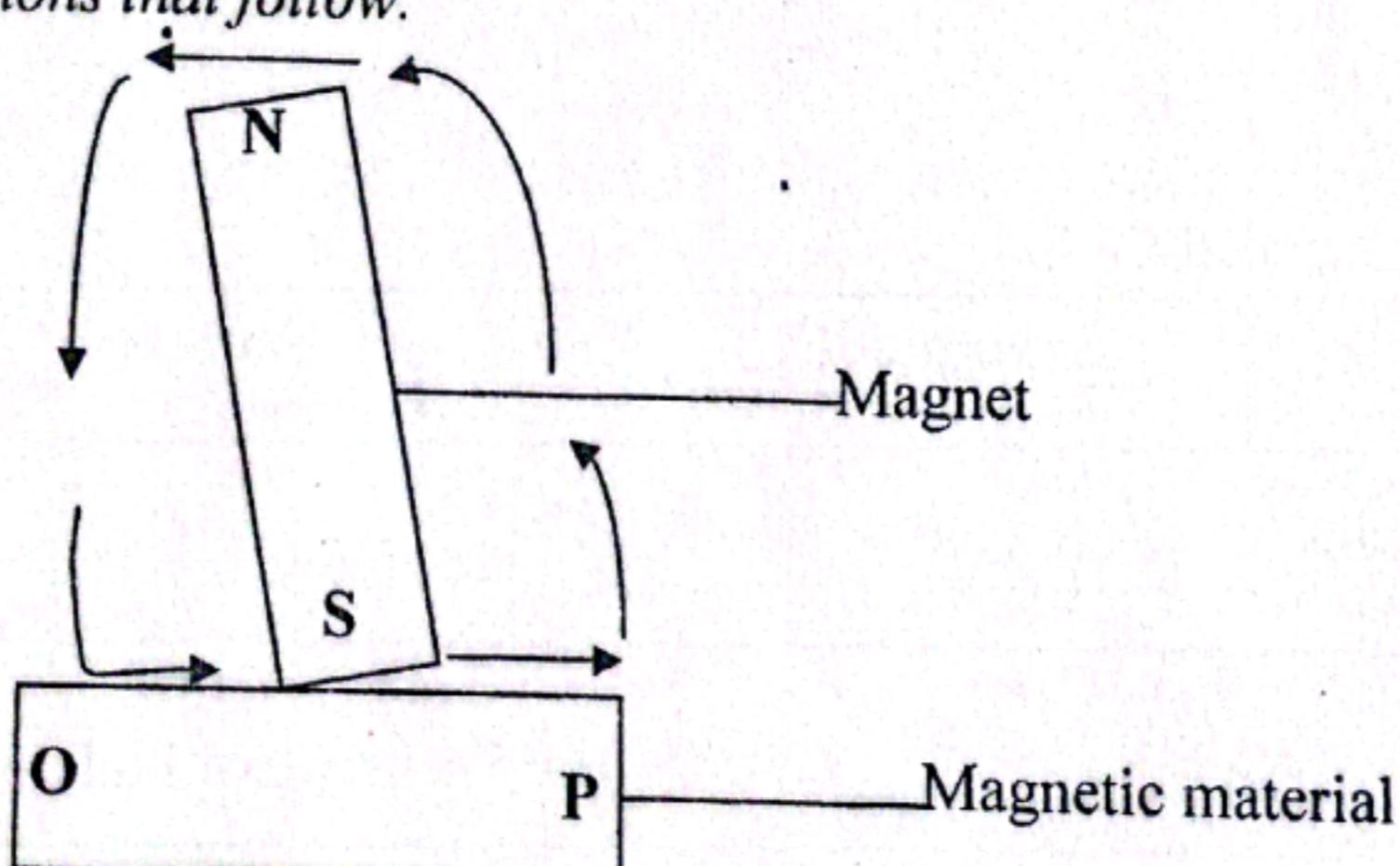
(ii)

(b) Write down any two benefits of using bottle feeding to raise babies.

(i)

(ii)

The diagram below shows a method of making magnets. *Study and use it to answer questions that follow.*



55. (a) Which method of making magnets is shown above?

.....

(b) Name the poles formed at;

(i) O

(ii) P

(c) Why are magnets made using the above method called temporary magnets?

.....