



SUREKEY EXAMINATIONS BOARD
PRIMARY LEAVING MOCK EXAMINATION
2025

INTEGRATED SCIENCE
Time Allowed: 2 hours 15 minutes

Random NO.						Personal No.		

Candidate's Name:

Candidate's Signature:

School Name:

Read the following instruction carefully:

1. Do not forget to write your **school** or **district name** 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 **15 printed pages** altogether.
3. Answer **all** the 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 will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily 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. Name any **one** activity done by crop farmers when ploughing land.

.....

2. State any **one** way in which intestinal worms benefit from the host.

.....

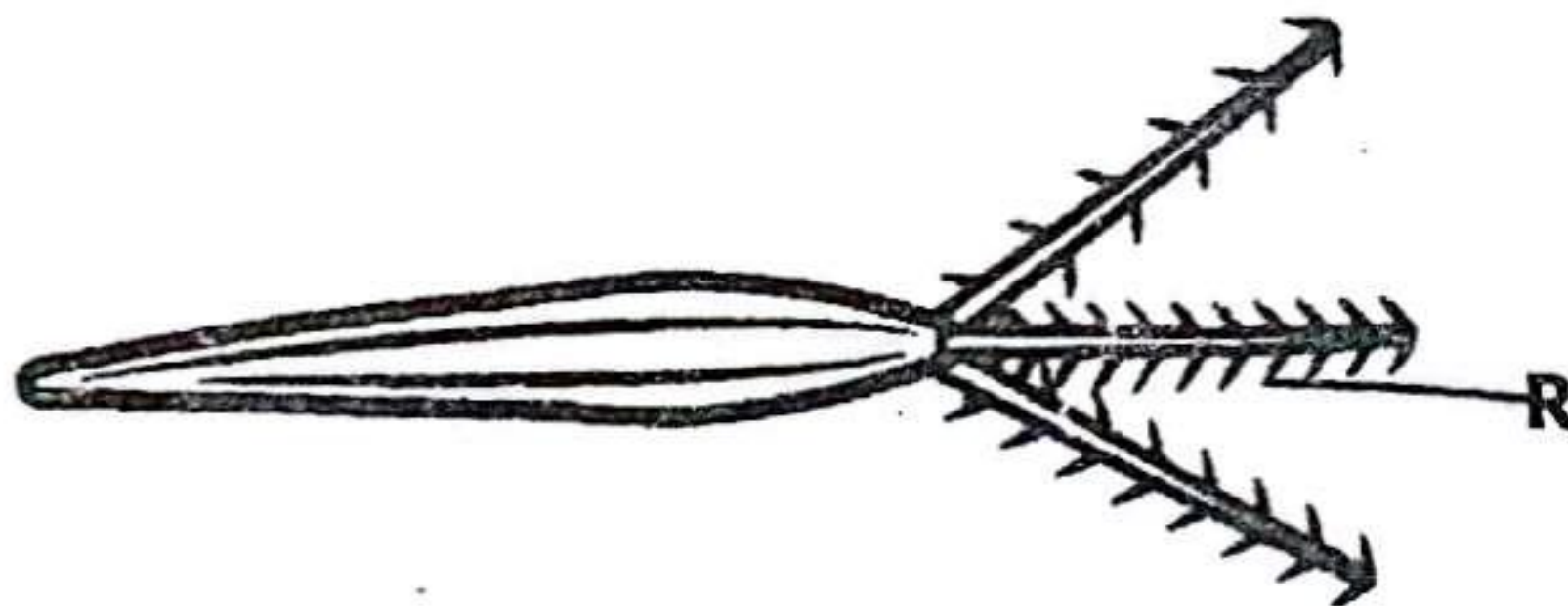
3. State **one** way in which the jelly round the eggs of amphibians is important.

.....

4. State any **one** cause of long sightedness in human beings.

.....

The diagram below shows a seed of a plant. Use it to answer questions 5 and 6.



5. State the method of seed dispersal in the seed above.

.....

6. Give the function of the part marked **R** to the seed above during seed dispersal.

.....

7. Give any **one** activity done by the Science Exhibition Club at school.

.....

8. Mention any **one** function of the placenta to the developing foetus in the womb.

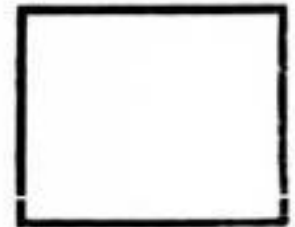
.....

9. Apart from preventing diseases, give any **one** other reason why school children should keep their bodies clean.

.....

10. Name the human body organ used for making decisions.

.....



11. State any **one** reason why electricians in factories enclose argon and nitrogen in electric bulbs.

.....

12. State any **one** way of controlling anti-social behaviour among school children.

.....

13. Give any **one** reason why the radicle of a bean seed comes out of the soil first during germination.

.....

14. Name the type of pulley used for hoisting flags at school.

.....

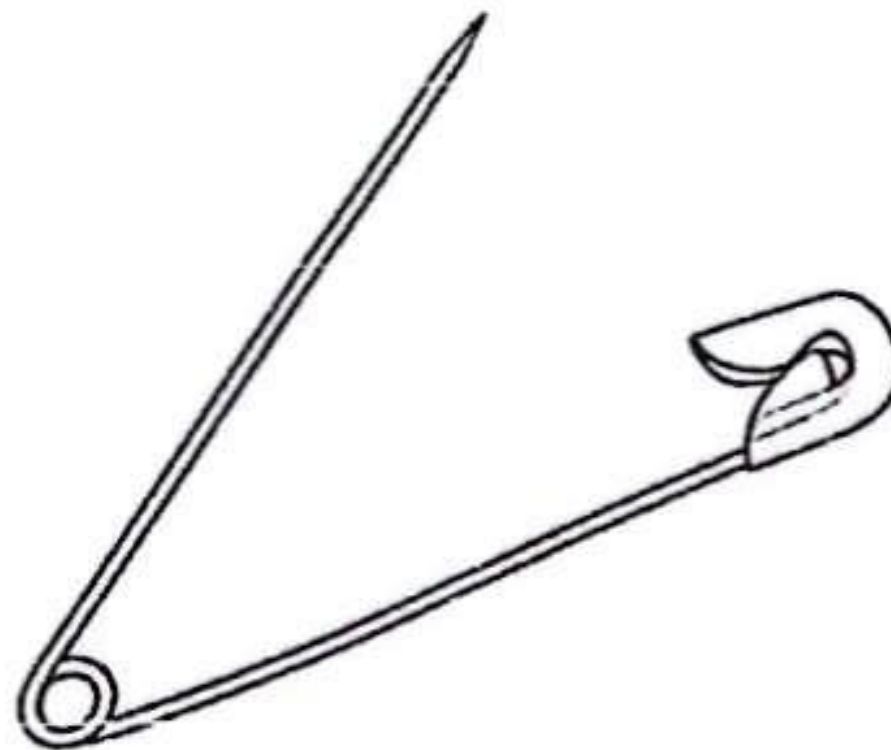
15. Mention any **one** role played by the School Health Committee in controlling COVID 19 in the community.

.....

16. Name any **one** insect borne disease that affects the human eyes.

.....

The diagram below shows a tool used in giving first aid. Use it to answer questions **17** and **18**.



17. Name the first aid tool shown above.

.....

18. Give any **one** way in which the tool shown above is important when giving first aid.

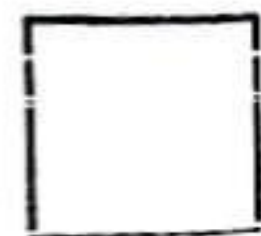
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19. Give any **one** reason why farmers are discouraged from growing crops of the same type following each other when practising crop rotation.

.....

20. Apart from empty buildings, name any **one** other place in the environment where echoes can be produced.

.....



21. Give any **one** way in which road builders increase friction on roads.

.....

22. State any **one** way of controlling the spread of elephantiasis in the community.

.....

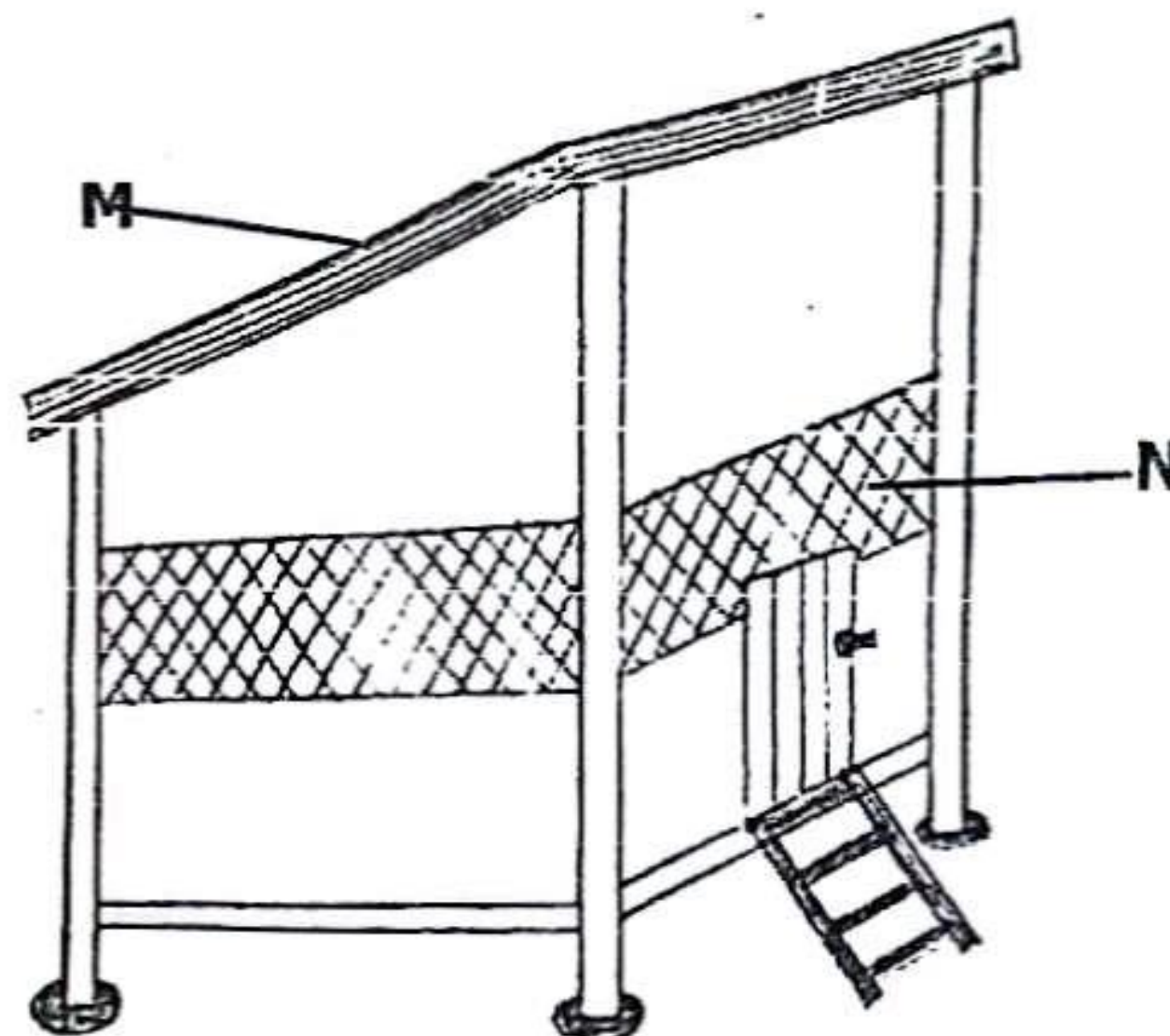
23. Apart from immunisation, state any **one** other way in which immunisable childhood diseases can be controlled.

.....

24. Give any **one** method that can be used to prepare clean water for washing clothes at home.

.....

The diagram below shows a poultry house. Use it to answer questions **25** and **26**.



25. Name the part labelled **M**.

.....

26. State any **one** importance of the structure marked **N** on the poultry house.

.....

27. Apart from killing germs in teeth, state any **one** other way in which toothpaste is useful to teeth when brushing.

.....

28. State any **one** condition under which essential drugs can be stored.

.....

29. State any **one** characteristic of shadows.

.....

30. Apart from using a thermos flask, mention any **one** other way of conserving heat at home.

.....

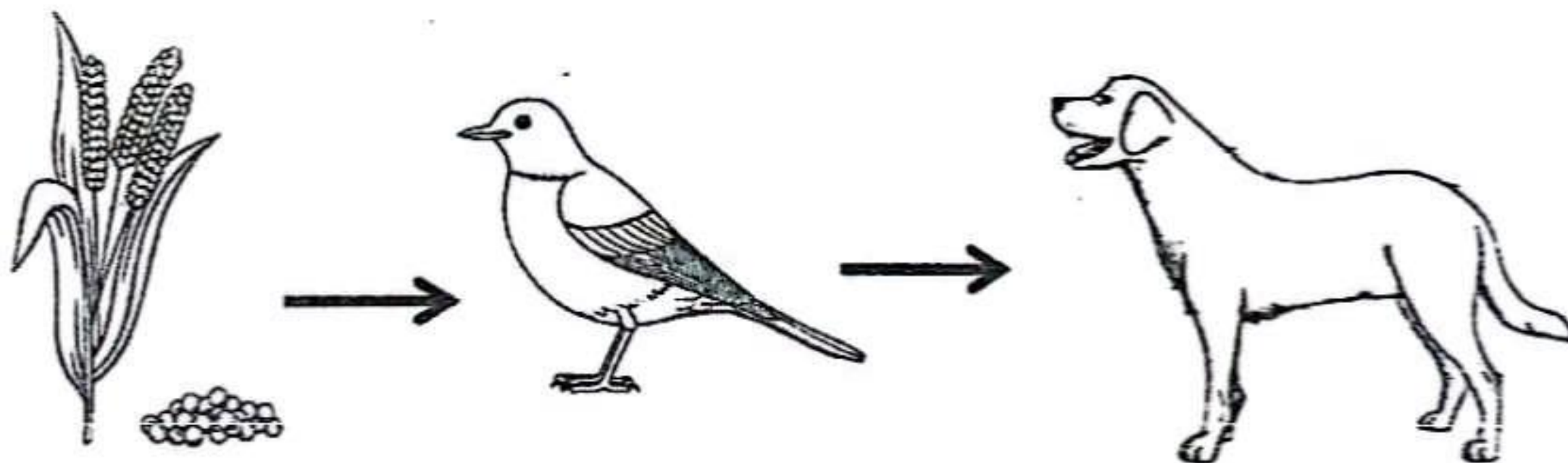


31. State **one** difference between rusting and burning as chemical changes.

.....

.....

The diagram below shows a feeding relationship. The organisms involved in the feeding relationship are; millet, dove and dog. Use it to answer questions **32** and **33**.



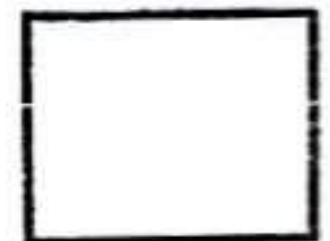
32. Identify the primary consumer from the diagram above.

.....

33. State the importance of millet in the feeding relationship shown above.

.....

34. Give any **one** reason why crop farmers are advised to sun dry their harvested crops properly before storage.
.....
35. State the importance of a squeegee in promoting sanitation at school.
.....
36. Name any **one** human body organ that requires a form of energy in order for it to function.
.....
37. State any **one** relationship between mass and weight.
.....
38. Give any **one** way in which rainfall supports plant growth.
.....
39. Mention **one** reason why houseflies lay their eggs on decaying matter.
.....
40. State **one** reason why a rabbit hutch should be raised up the ground.
.....



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

41. (a) Mention any **one** practice that damages the human skin.

.....

- (b) State any **one** way in which the human skin regulates body temperature.

.....

- (c) Apart from regulating body temperature, give any **two** other functions of the human skin.

(i)

(ii)

42. Mwajuma put dry grass, leaves and maize stalk in a pit during dry season to make organic manure. She added ash and sprinkled water all over the materials and kept on turning the materials from time to time before taking the organic manure to the garden.

- (a) Name the organic manure that Mwajuma made in her project.

.....

- (b) State **one** reason why Mwajuma added the following materials in her project;

(i) Ash :

.....

(ii) Water :

.....

- (c) Give any **one** advantage of using the organic manure that Mwajuma made in her project.

.....

43. Name the disease of the circulatory system that;

- (a) Deforms red blood cells :
- (b) Weakens white blood cells:
- (c) Causes production of immature white blood cells:
.....
- (d) Destroys red blood cells:



44. (a) Identify the group of simple machines to which the following tools belong:

- (i) Screw driver
- (ii) Spiral staircase

The diagram below shows a bottle and an opener. Study and use it to answer the question that follow.



- (b) Draw the opener on the bottle in the space provided below and show the position of the **fulcrum**. (02 Marks)

Turn Over

45. (a) State any **one** reason why bacteria breed in dustbins.

.....

(b) Apart from dustbins, mention any **one** other place where bacteria breed.

.....

(c) Give any **two** characteristics of bacteria.

(i)

(ii)

46. (a) Name the process of making alcohol that produces beer.

.....

(b) State any **one** way in which alcohol is important in hospitals.

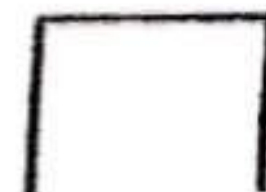
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(c) Explain how driving under the influence of alcohol leads to road traffic accidents. (02 Marks)

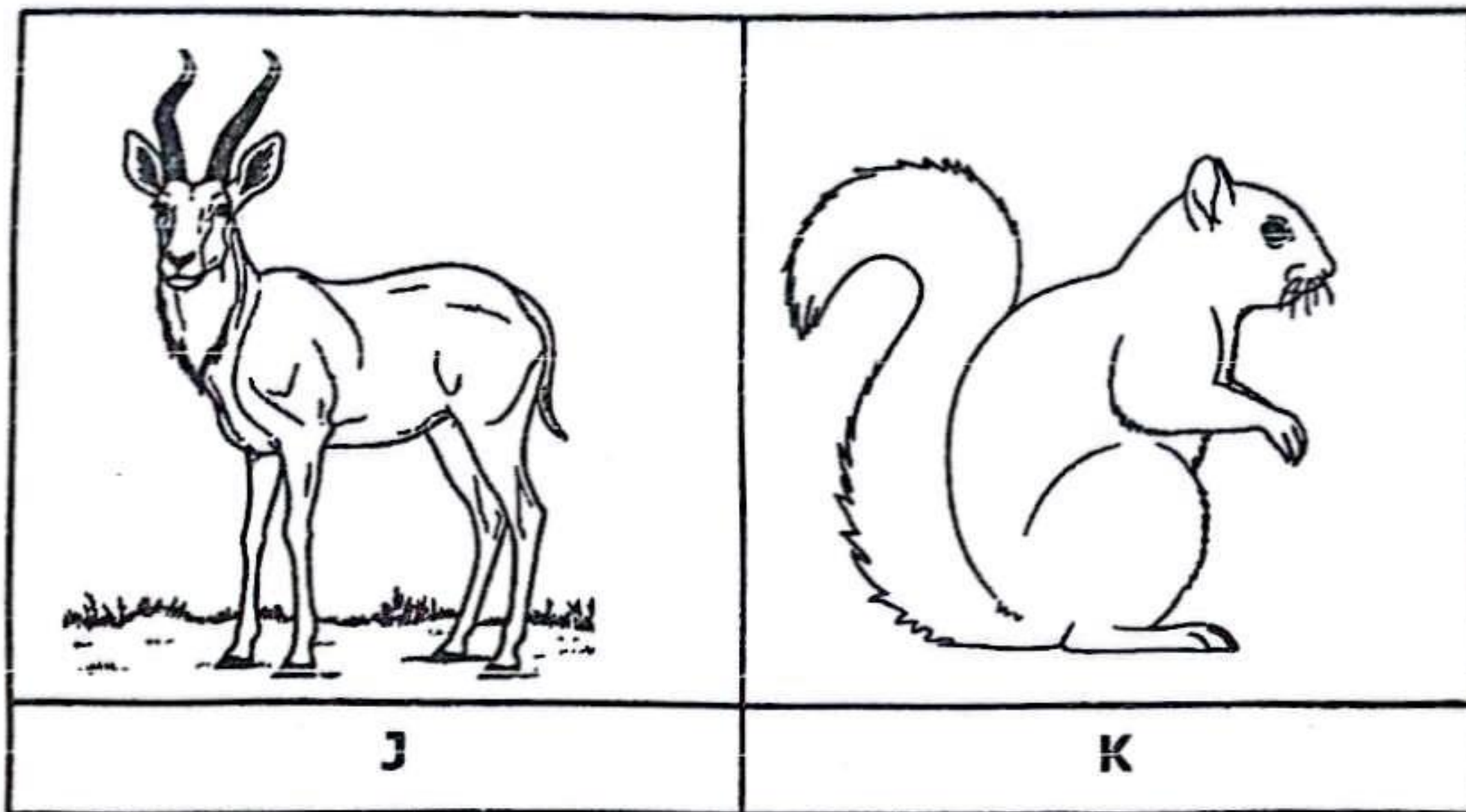
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.....

.....



47. The diagrams below shows animals under mammals. Study and use them to answer the questions that follow.



- (a) Identify the group of mammals to which animals marked **J** and **K** belong;

(i) **J** :

(ii) **K** :

- (b) State any **one** danger of the mammal marked **K** to crop farmers.

.....

- (c) Give the difference in structure between the feet of the mammal marked **J** and the feet of the mammal marked **K**.

.....

.....

48. (a) Write down any **two** products obtained from petroleum.

(i)

(ii)

(b) Name the method used to obtain petroleum products.

.....

(c) State **one** way of conserving petroleum as a non-renewable resource.

.....

49. The table below shows elements of Primary Health Care (PHC) in part **A** and activities done to promote them in part **B**.

Part A: Elements	Part B: Activity
Sanitation	Immunisation of children
First aid	Abstaining from sex
Family Planning	Scrubbing classrooms
Health education	Applying mouth to mouth breathing

Match correctly the elements of Primary Health Care (PHC) with activities done to promote them in the spaces provided below.

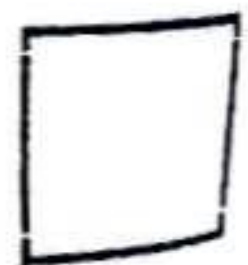
(i) Sanitation:

(ii) First aid:

(iii) Family Planning:

(iv) Health Education:

50. (a) Name the part of the lens camera that;



(i) controls the amount of light :

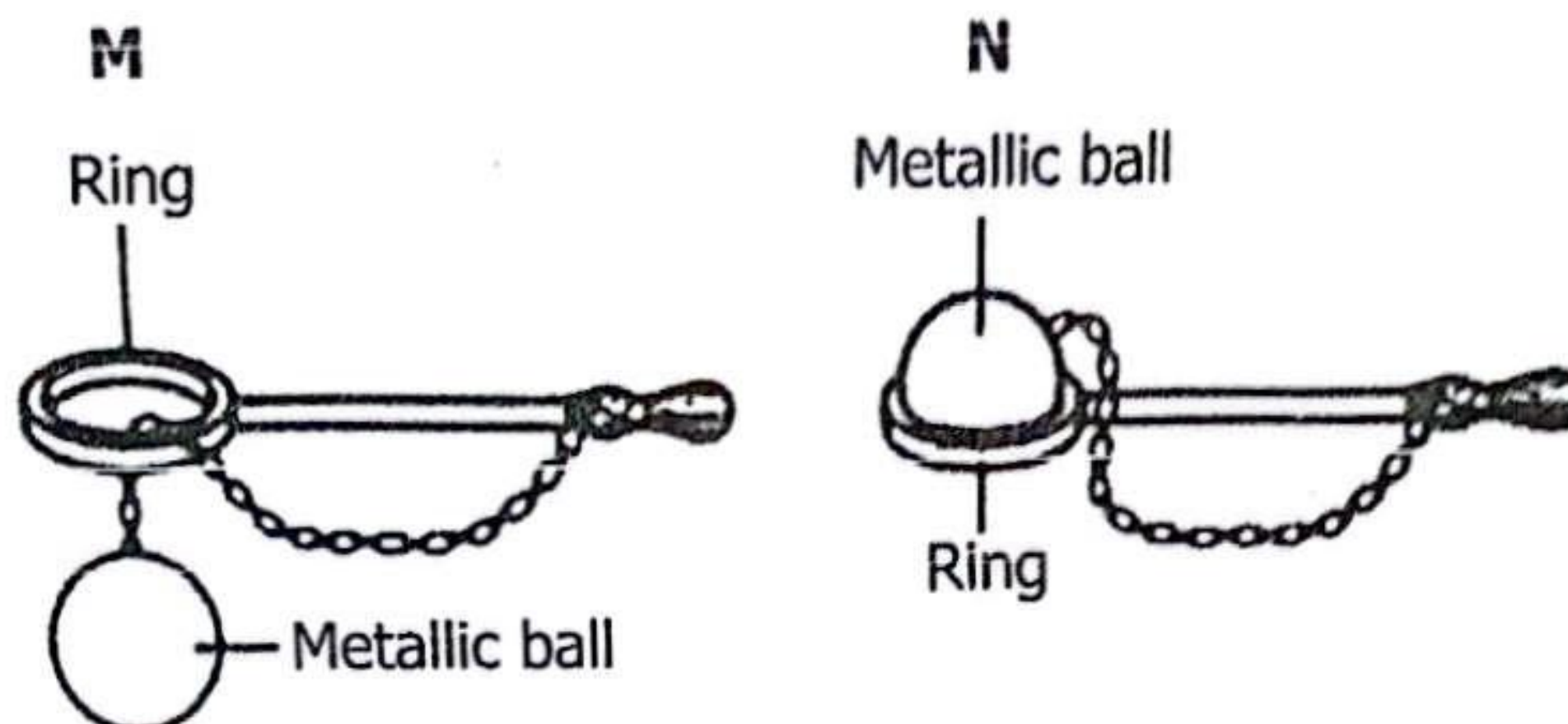
(ii) lets light into the camera

(b) State any **two** ways of identifying the structure of the convex lens.

(i)

(ii)

51. The diagram below shows an experiment carried out by Norah. Study and use it to answer the questions that follow.



(a) Identify the state of matter affected by heat in the experiment above.

.....

(b) Give the reason why the metallic ball failed to pass through the ring at **N**.

.....

.....

(c) State what should be done for the metallic ball to pass through the ring.

.....

(d) Give the reason why Norah carried out the experiment above.

.....

52. (a) Give the meaning of the following terms.

(i) Weather :

.....

(ii) Rainfall :

.....

(b) Apart from sun drying, write down any **two** activities people do during sunny weather.

(i)

(ii)



53. (a) State any **two** conditions that can lead to bottle feeding in babies.

(i)

(ii)

(b) Give any **two** problems faced by mothers who use bottle feeding to give their babies milk.

(i)

(ii)

54. (a) Give any **two** characteristics of exotic trees.

(i)

(ii)

(b) State any **two** ways in which local trees are better than exotic trees.

(i)

(ii)

55. You are provided with the following materials for demonstrating transpiration in plants;

Potted plant, Polythene bag and a String.

- (a) State the importance of the transparent polythene bag in the experiment above.

.....

- (b) Describe how you would use the materials above to demonstrate transpiration in plants. (03 Marks)

(i)

.....

(ii)

.....

(iii)

.....

