

NANSANA MUNICIPALITY-WAKISO

EDUCATION DEPARTMENT.

SPECIAL MOCK INTEGRATED SCIENCE - 2024

DURATION : 2 HOURS 15 MINUTES

Random No.	Personal No.

Name: Stream:

DISTRICT ID

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DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully

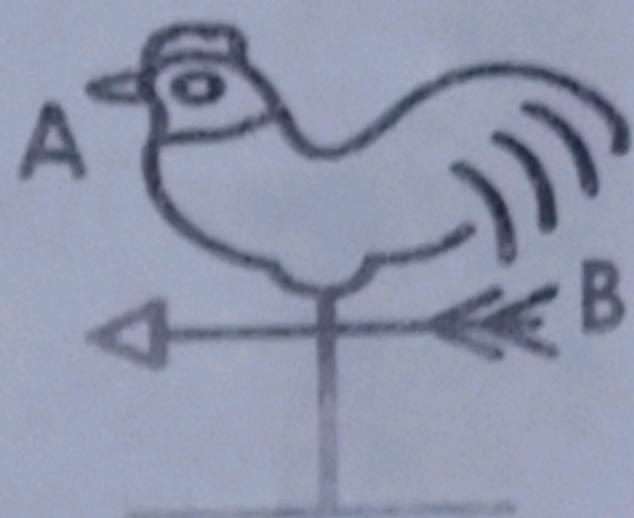
1. This paper is made up of two Sections: A and B
2. Section A, has 40 questions (40 marks)
3. Section B has 15 question (60 marks)
4. Attempt ALL questions. All answers to both Section A and B Must be written in the spaces provided.
5. ALL answers must be written in blue or black ballpoint or ink but not in pencil. All work done in pencil, except diagrams, will NOT be marked
6. Crossing out of answers will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Wrong spelling will lead to loss of marks.

FOR EXAMINERS USE ONLY		
QN. NO.	MARK	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A: (40 MARKS)

1. State any one quality of a good rabbit hutch.
2. Give any one structural difference between a frog and a toad.
3. Name the part of the female reproductive system of a woman that works like gills of a mushroom.
4. Which property of magnets enables someone to separate iron filings from flour?
5. Write down one way of controlling bedbugs at home.
6. What is static electricity?

The diagram below shows a weather instrument with letters A and B. Study and use it to answer questions 7 and 8.



7. Name the weather instrument above.
8. Which letter shows the direction wind is blowing to?
9. How is a bandage useful in giving first aid?
10. In which class of invertebrates is a crab?
11. State any one characteristic common in both molars and premolars.
12. How is hydrotropism important to plants?
13. Why should petroleum be used sparingly?
14. Give any one activity done by health workers to control diseases spread through use of medical tools on various patients.
15. Write down any one feature found on a Six's thermometer.
16. How is the feeding of a tapeworm similar to that of a liver fluke?
17. State any one thing that happens to the respiratory system during breathing in.

..... way is drug under-dose dangerous to human?

..... of change causes increase in size of organism?

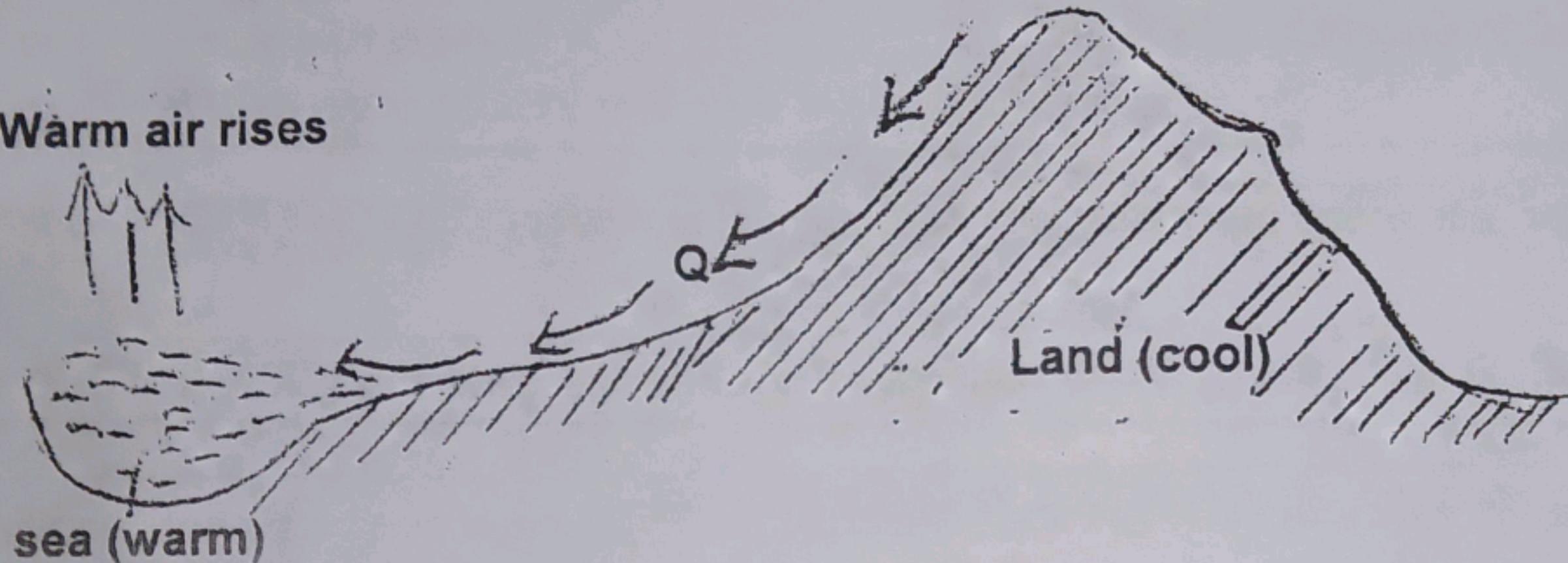
..... any one way farmers ensure productivity of their livestock during drought period.

21. Name any one vector that spreads germs through body contact.

22. How are carrots similar to turnips in the way they are propagated?

Below is a type of breeze. Use it to answer questions 23 and 24.

Warm air rises



23. Name the type of breeze shown above.

24. Which method of heat transfer enables air movement shown by letter Q?

25. Write down any one use of carbon dioxide to humans.

26. State any one function of the egg albumen to a developing chick.

27. Name any one resource that can be naturally replaced through reproduction.

28. How is the movement of a knee joint different from that of a hip joint?

29. Mention any one factor which leads to drug dependency

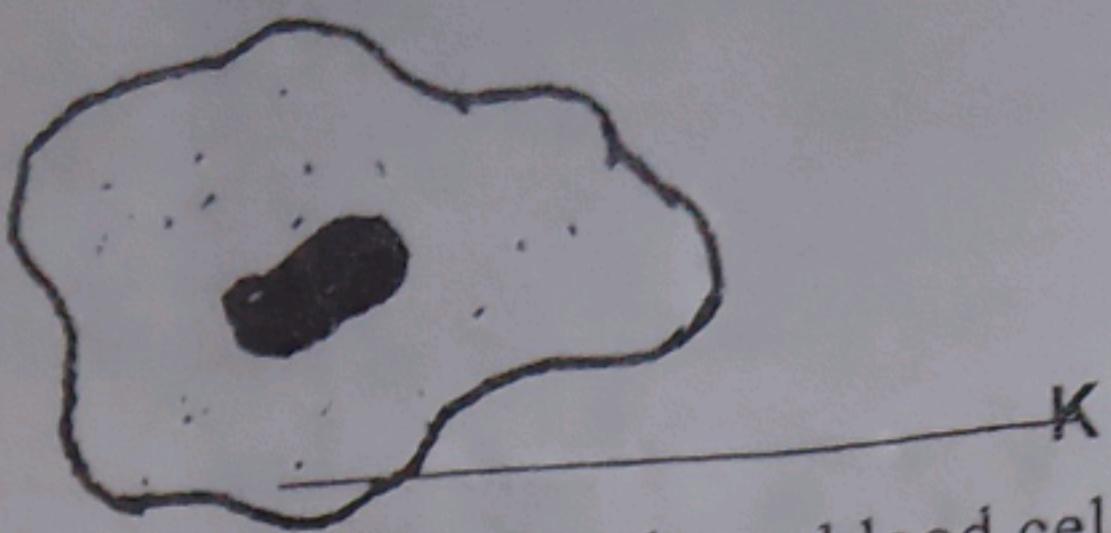
30. Why is crop growth rapid in areas with loam soil than sand soil?

31. How does Gonorrhoea infection cause sterility in men?

32. State the property of light that results into mirages.

33. Give any one way fish depends on water.

Use the diagram of a blood cell below to answer questions 34.



34. How is part K important in the above blood cell?

35. Why are moulds classified as fungi?

36. What is the role of producers in a food chain?

37. Apart from a guitar, name one other example of a musical instrument that uses strings for sound production.

38. State one factor considered when selecting seeds for planting.

39. Why is decantation not an effective way of making water safe for drinking?

40. Amooti was standing across the valley, which was 660 meters away from the cliff, if he shouts how long will it take to hear the echo?

Section B

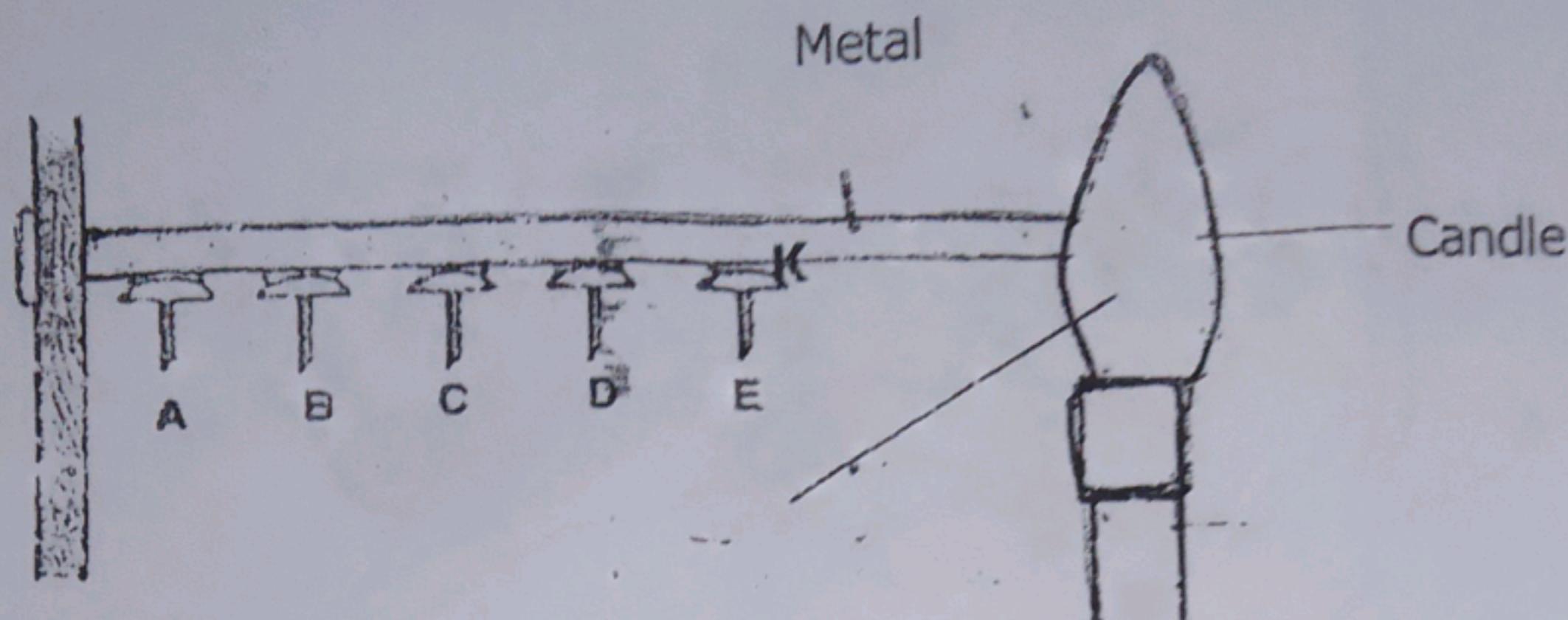
(Questions 41 to 55 carry 60 Marks.)

41.a) Give one example of a bird in the following groups.

- i) Scratching birds _____
- ii) Climbing birds _____
- iii) Perching birds _____

b) Apart from having wings, state any one other way birds are adapted to flying.

42. The experiment below shows pins A, B, C, D and E with pieces of wax attached onto a metal rod. Study it carefully and answer questions that follow.



- a) Name part marked K _____
- b) Which piece of wax will melt last?

- c) Give a reason for your answer in (b) above.

- d) In which one way is the above experiment useful in our daily life?

43.a) Write down any two ways in which childhood immunisable diseases are spread to infants.

- i) _____
- ii) _____
- b) Name any two vaccines that are administered to infants more than once in their life time.
- i) _____
- ii) _____

44.a) Give two protective wears used by honey harvesters

- i) _____
- ii) _____
- b) What is the importance of dipping combs in warm water during honey extraction?

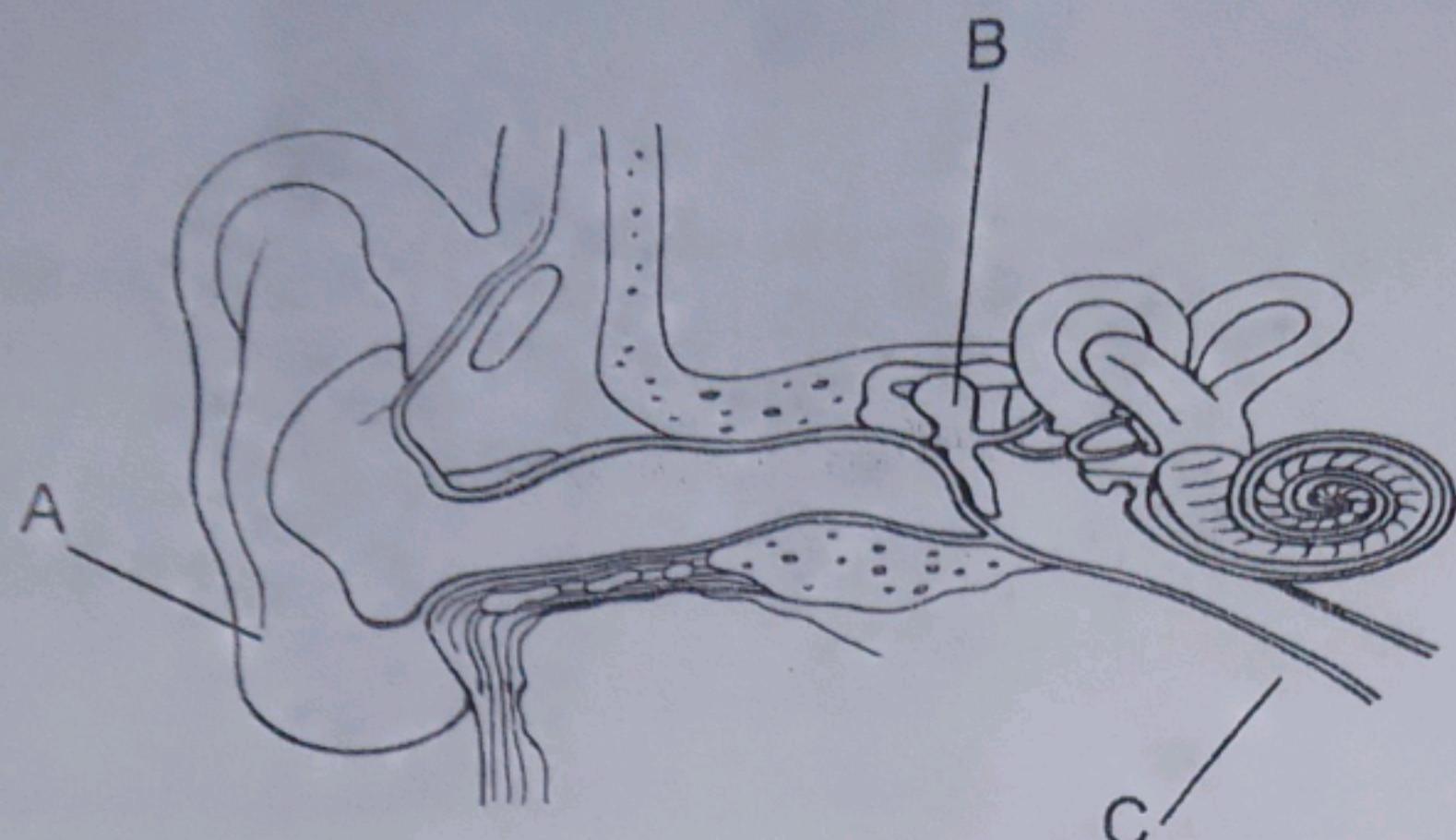
- c) State any one advantage of harvesting honey using smoke over open fire.

45.a) Give any two pieces of information collected during demography.

- i) _____
- ii) _____
- b) Name any one place where information about demography is collected.

- c) State one importance of demography to a community.

46. Below is a human ear. Use it to answer questions that follow.



a) State the function of parts marked B and C.

- i) B _____
ii) C _____

b) On the diagram above, use letter D to label the cochlea.

c) Give one way of preventing partial deafness as a disorder of the human ear.

47.a) Give the meaning of the following terms

i) vulnerable people

ii) weaning

b) Name the best food fed to babies before weaning time.

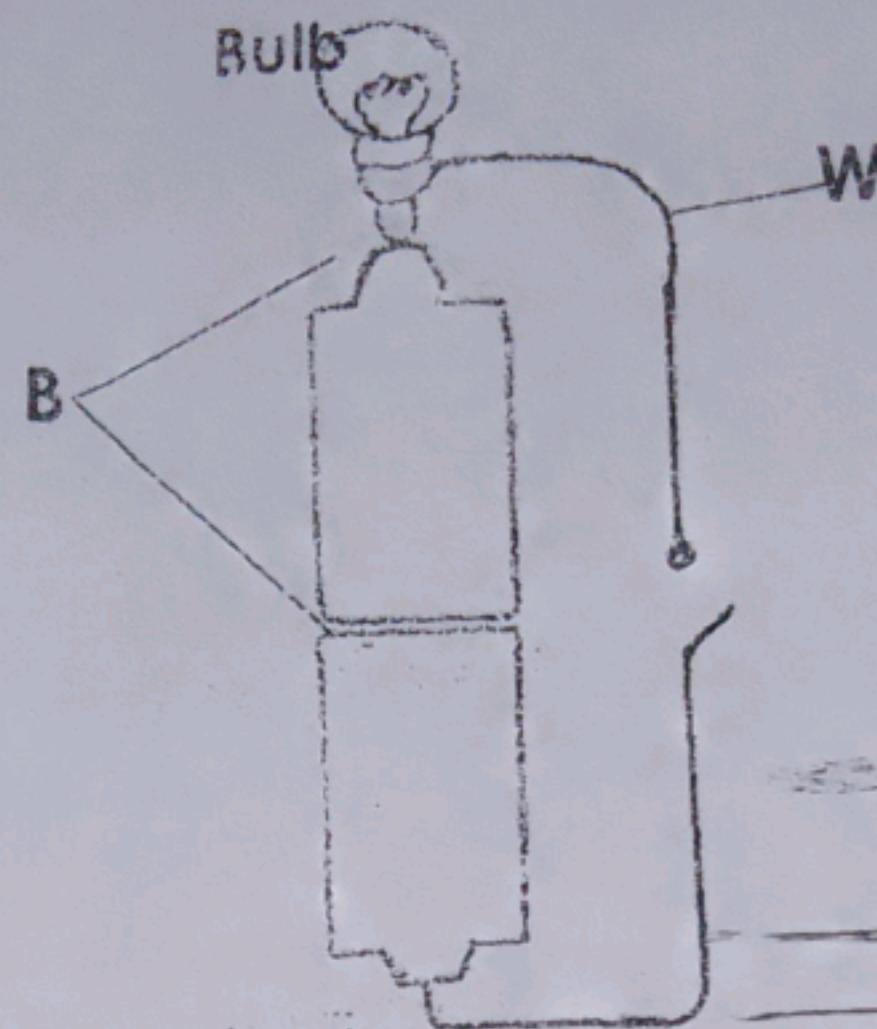
c) State one way of caring for a vulnerable person at home.

48. Match the parts of a flower to their functions.

Part	Function
Style	Produces male reproductive cells.
Ovary	Holds the anther in position.
Filament	Contains female reproductive cells.
Anther	Holds the stigma in position.

- i) Style _____
ii) Ovary _____
iii) Filament _____
iv) Anther _____

49. The diagram below shows a simple electric circuit. Study it and answer the questions that follow.



a) Give the use of part W.

b) Name the form of energy that is;

i) stored at part B

ii) produced at part B

c) State what will happen to the bulb when the switch is closed

50.a) Where are the lungs and the heart located in humans?

b) Name the muscles of the heart.

c) Why does the amount of oxygen reduce during breathing out?

d) State the importance of the lungs in blood circulation.

51.a) State any two ways school children manage sunny weather.

i)

ii)

b) Outline one advantage of sunny weather to animals.

c) Which type of clouds are nearest to the ground?

52. The table below shows cattle diseases, causative germs and their signs. Study and complete it carefully.

Disease	Causative germs	Signs
Mastitis	Bacteria	
	Trypanosome	Loss of appetite
Anthrax		Dark watery blood from openings
Foot and mouth disease	Virus	

53.a) Which accident causes brief loss of consciousness?

b) State any two conditions which lead to such an accident.

i)

ii)

c) Give any one way in which you can reduce chances of accidents when eating food.

54.a) Name any two materials that can be used to make manure locally on a farm.

i)

ii)

b) Besides applying manure, give one other way of improving on soil fertility in a garden.

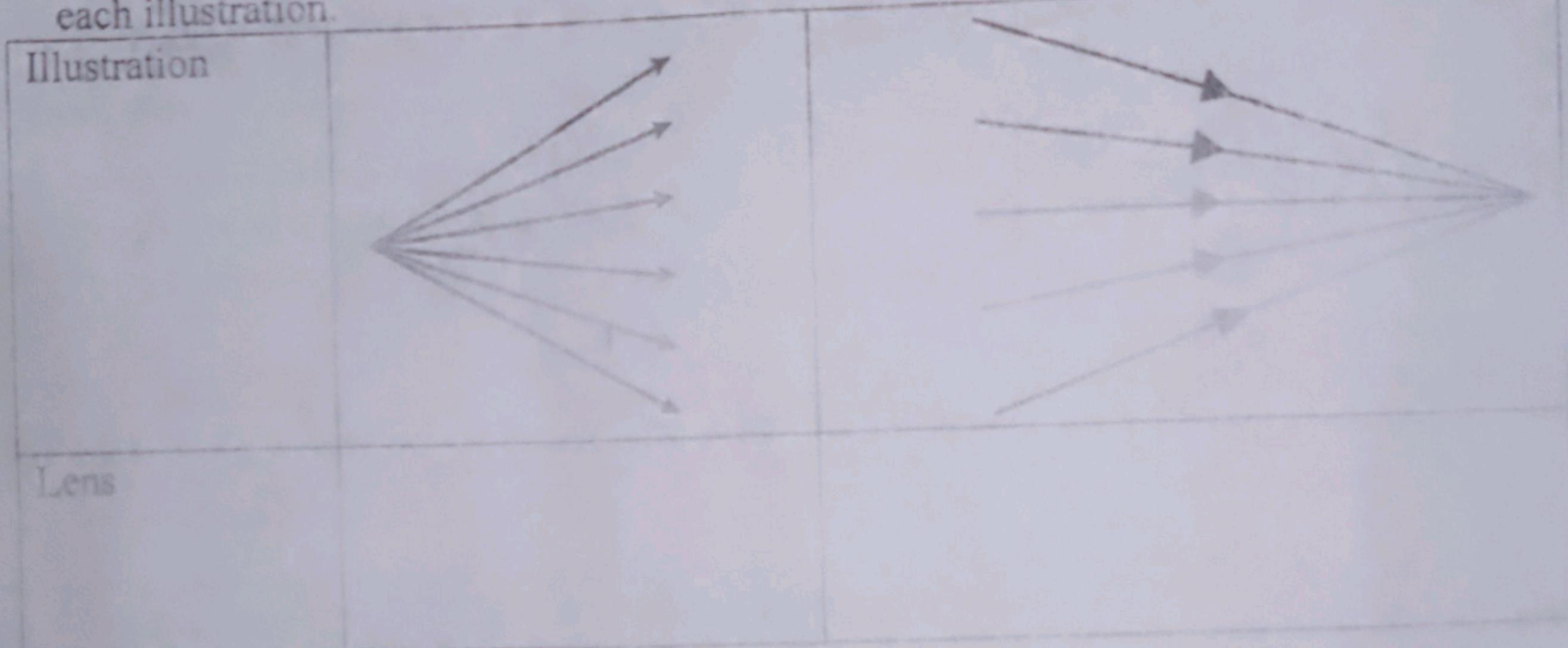
c) State any one advantage of intercropping in crop growing.

55a) State the function of the following parts of a lens camera

i) Film _____

ii) Diaphragm _____

c) Below shows two illustrations about effect of light on lens. Draw the type of lens for each illustration.



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