

# **GLOBE EDUCATIONAL CONSULTANCY (GEC)–KAMPALA**



## **P.5 MIDTERM III EXAMINATION 2023 INTEGRATED SCIENCE**

*Time Allowed: 2 hours 15 minutes*

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

Read the following instructions carefully:

1. This paper is comprised of two sections A and B. Section A has 40 questions (40 marks). Section B has 15 questions (60 marks).
2. Answer ALL questions in both sections A and B.
3. All answers must be written in the spaces provided in Blue or Black ball point pen or ink. Only diagrams should be drawn in pencil.
4. Unnecessary changes of work and handwriting that cannot easily be read may lead to loss of marks.
5. Do not write anything in the boxes indicated: "FOR EXAMINERS' USE ONLY".

FOR EXAMINERS' USE ONLY	
SECTIONS	MARKS
A (Qns 1 - 40)	
B (Qns 41 - 55)	
TOTAL	

Turn over

**TEL.: +256 774 594 329/ +256 705 917 059**

**EMAIL: [agreatteacheras@gmail.com](mailto:agreatteacheras@gmail.com)**

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## SECTION A (40 MARKS)

1. Name the human body organ used for tasting food.

Tongue

2. Write down any one product got from poultry when they are not killed.

Manure

3. Mention any one aspect of wind recorded at a weather station.

Speed

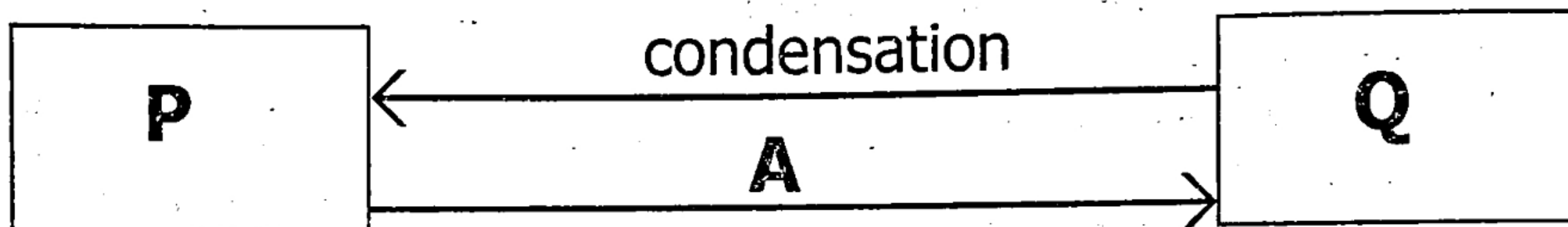
4. Which property of air enables a P.5 pupil to suck juice using a straw?

It Air exerts pressure

5. Why is sugar used in the making of Oral Rehydration Solution?

To return water in the body

6. The diagram below shows changes in two states of matter. Study and use it to answer questions 6 and 7.



6. Name the state of matter marked P.

Liquids

7. Write down the form of energy that enables physical process A to take place.

Heat energy

8. What adaptation enables an incisor tooth to cut or bite food?

It is sharp.

9. In which way do bacteria reproduce?

By binary fission

10. Give any one reason why rusting in metals is regarded as a chemical change.

It is not reversible

11. Apart from handpicking, mention any one other method of harvesting crops.

Using a hoe

12. How can a six's thermometer be reset for use?

By shaking it.

13. State the difference in units used to measure mass and weight of objects.

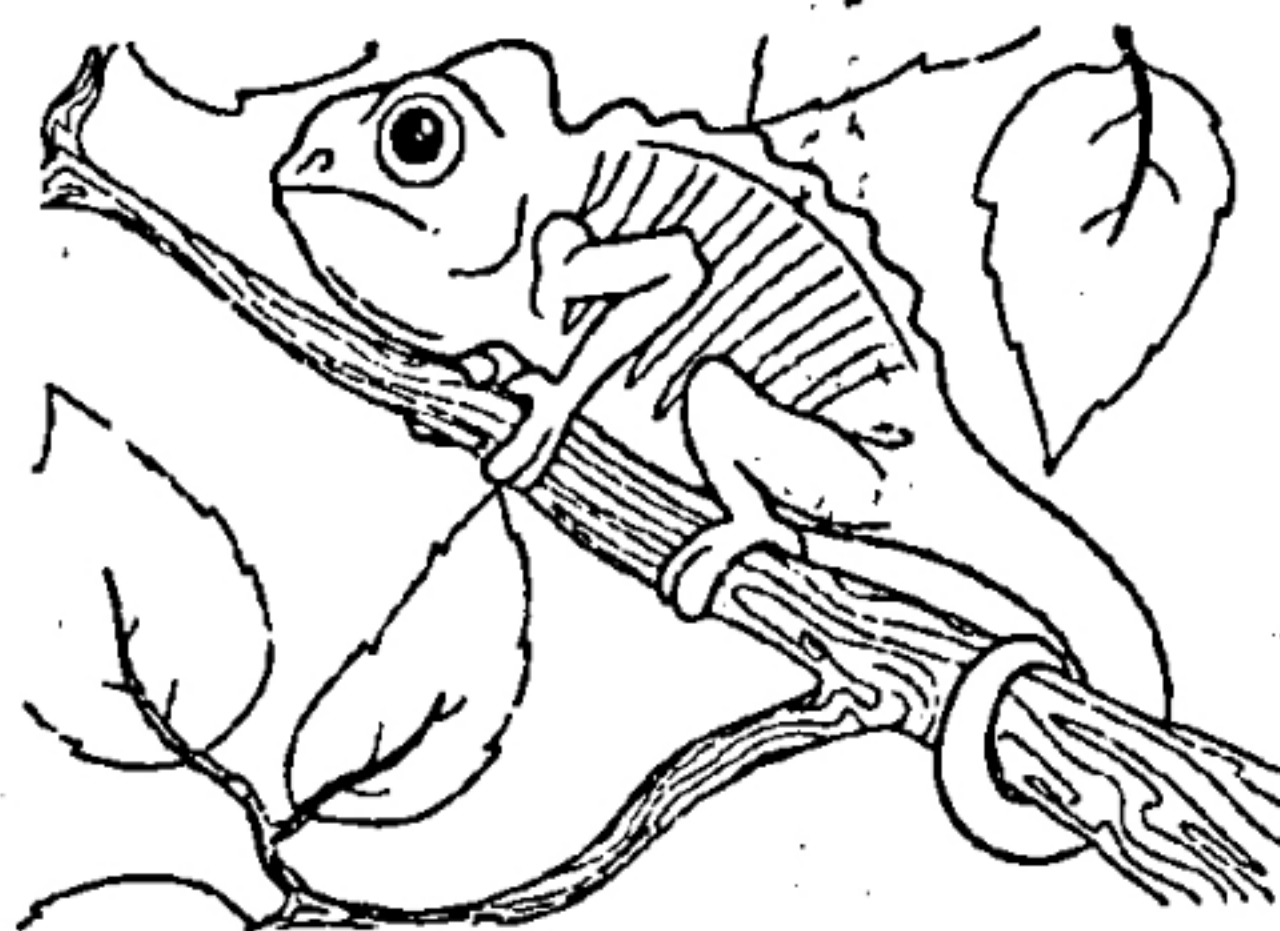
Mass is measured in kilogrammes while weight is measured

14. Write down any one method of extracting honey from honey combs. in NEWTONS

Harvesting



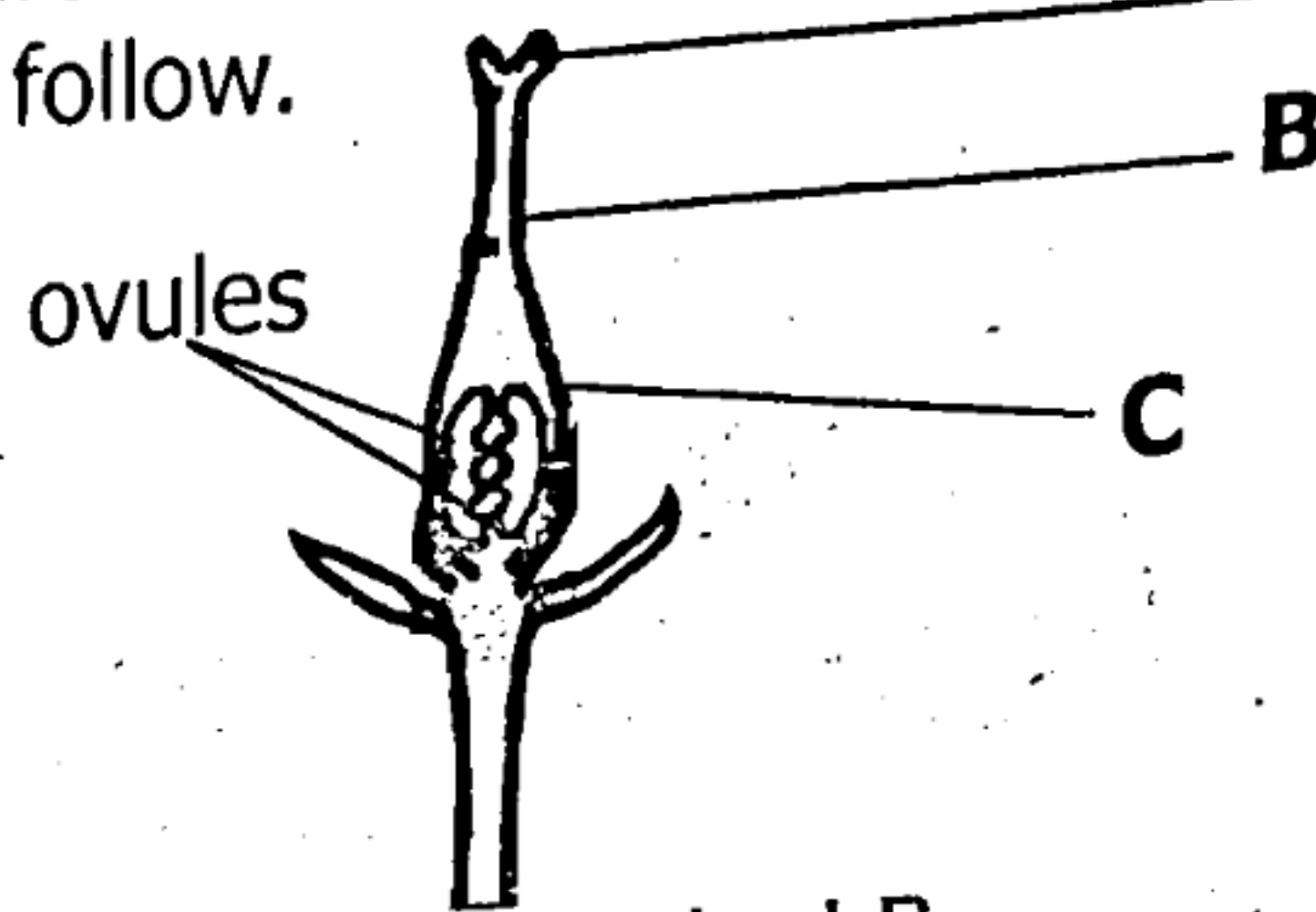
15. The diagram below shows a common animal in the environment. Study and use it to answer question 15.



15. In which way does the animal in the diagram above protect itself from its enemies?  
By changing colour
16. Why is BCG vaccine administered to infants at birth?  
To strength their immunity to measles
17. Mention any one communicable disease spread through the 4Fs germ path.  
Diarrhoea
18. Name the important process that takes place in the colon of the human digestive sytem.  
\$ & Taking food to blood streams
19. Give any one disadvantage of prolonged use of artificial fertilizers in the soil.  
They can cause soil leaching
20. Write down any one root tuber propagated by use of seeds.  
Carrots
21. Write down one PIASCY message expected on the school compound.  
Avoid early sex
22. Which deficiency disease results into swelling of the neck?  
Goiter
23. State any one way a P.5 pupil can use a razorblade to promote personal hygiene of his/her body.  
By cutting his/her fingernails
24. Name the vector that spreads yellow fever to humans.  
Culex mosquito
25. Mention any one item used by people to manage rainy weather.  
Gumboots
26. Give any one way in which tapeworms enter our body.  
Through eating unwashed fruits
27. Why are splints used in giving first Aid to a person with a fractured arm?  
To hold the arm in one position



The diagram below shows part of a flower. Study and use it to answer the questions 28 and 29 that follow.



28. Name the part on the diagram above marked B.

Stigma

29. How is part marked A useful to the flower?

It receives pollen grains

30. State any one reason why farmers dock their sheep.

To allow easy mating

31. Write down the garden tool used for harvesting rice.

Sickle

32. Give any one way in which a dustbin is useful in a classroom.

It is where rubbish is collected

33. Why is loam soil regarded as the best soil for crop growing?

It has humus

34. Mention any one exotic breed of rabbits kept by farmers.

Angora rabbits

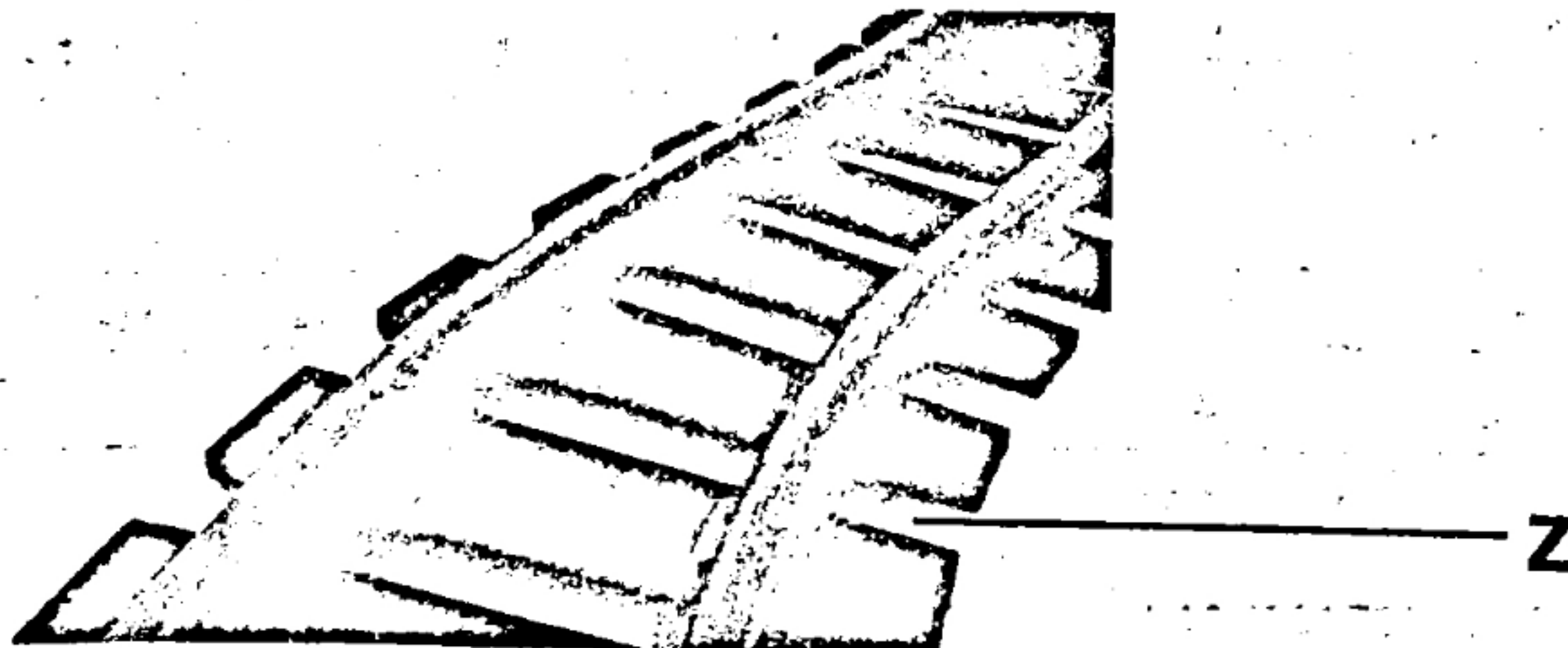
35. State one health practice that should be done by P.5 pupil after visiting the latrine.

Washing hands

36. Give any one way of caring for sick people at home.

By giving him food

37. The diagram below shows part of a railway line. Study and use it to answer question 37.



37. Give one reason why gaps marked Z are left between rails of railway lines.

To allow freemovement

38. Write down one characteristic that makes a spider not a true insect.

It has eight legs

39. Name the type of clouds in the sky which are a clear sign of rain.

Cirrus clouds

40. Give any one reason why animals move from one place to another.

To look for food

### SECTION B: 60 MARKS

41. a) Name two layers of the soil profile that do not support growth of plants with shallow roots.

i) Gravel rocks ii) Stones

b) Give one reason why the above soil layers are unable to support crop growing.

They have rocks

c) Mention one crop growing practice that improves soil fertility.

Mulching

42. a) Apart from floods, mention two other natural changes that occur in the environment.

i) Landslides ii) Drought

b) State any two effects of natural changes in the environment.

i) They destroy people's' crops properties

ii) They lead to death of people.

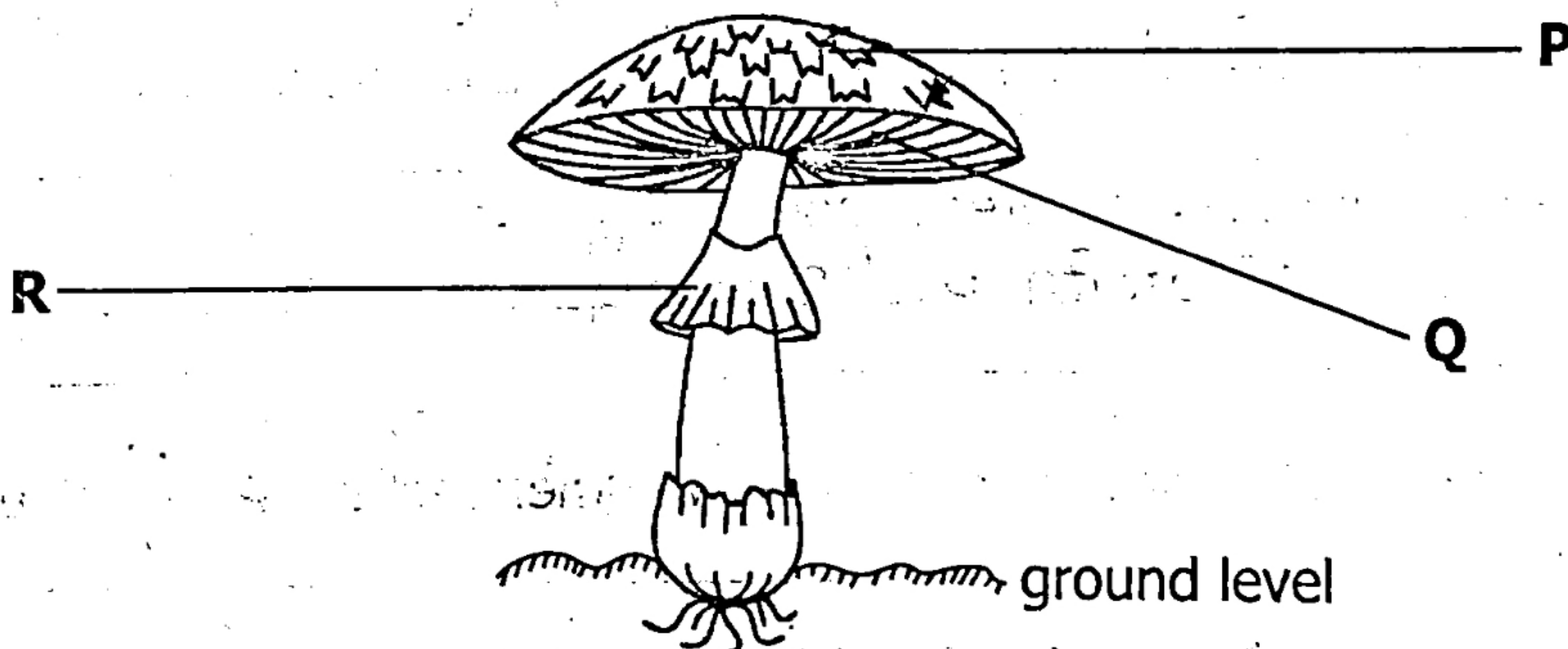
43. a) Mention any two exotic breeds of goats kept for milk production.

i) Angola goats ii) Taggbug

c) How can goat farmers improve on the quality of their local breeds of goats?

Through cross breeding

44. The diagram below is of a mushroom. Study and use it to answer the questions that follow.



a) Name the part of the mushroom marked P.

Goats Cap



- b) State one use of the part marked Q.  
 it produces and stores spores
- c) How do mushrooms reproduce?  
 By means of spores
- d) Mention one food value obtained from eating mushrooms.  
 Carbohydrates
45. a) Mention any two components of a first Aid box.  
 i) Cotton ii) Razor blade
- b) Give any one reason why we give first Aid.  
 To save life.
- c) Why should a first Aider be quick at decision making?  
 To save life.
46. a) How is heat different from temperature?  
 Heat is hotness while temperature is the degree of hotness or coldness of a place.
- b) Name the method of heat transfer in solids.  
 Convection
- c) Convert  $100^{\circ}\text{C}$  to  $^{\circ}\text{F}$ .  

$$E = (C \times \frac{9}{5})$$

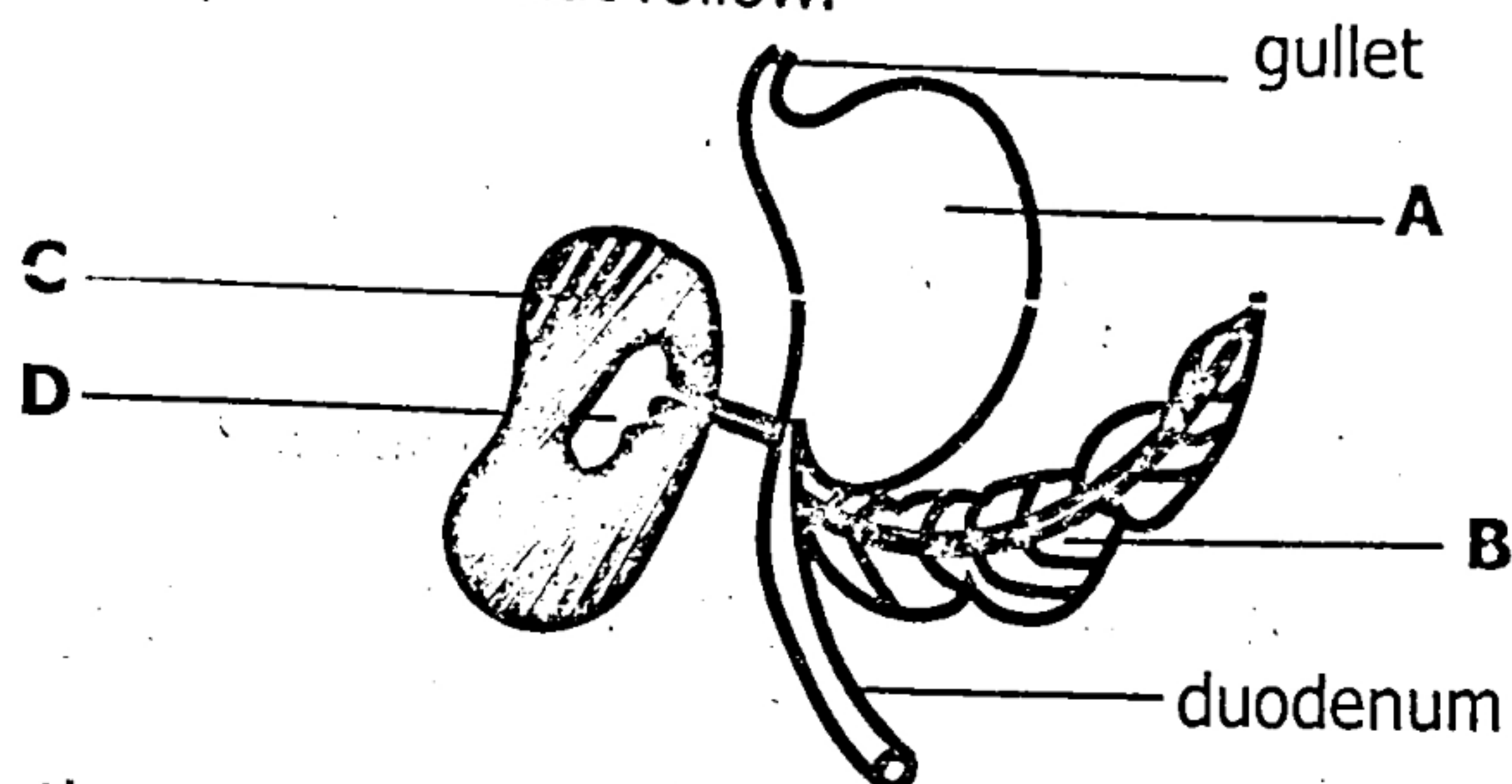
$$E = (100 \times \frac{9}{5})$$

$$E = 180^{\circ}\text{F}$$
47. a) Mention any two natural sources of water in the environment.  
 i) Rain ii) Lakes
- b) State any two uses of water at home.  
 i) For cooking  
 ii) For washing clothes and utensils
48. a) Apart from butterflies, mention any two other useful insects in the environment.  
 i) Bees  
 ii) Grasshoppers
- b) How are butterflies important in the environment?  
 Pollinates flowers in the environment.

c) Name the breathing organs of true insects.

Spiracles

49. The diagram below shows part of the digestive system. Study and use it to answer the questions that follow.



a) Name the part marked B.

Appendix

b) State the use of part C during food digestion.

To store bile juice

c) Mention any one disease that affects the digestive system.

Constipation

d) Give any one habit that can keep the digestive system in a healthy condition.

Drinking enough water.

50. a) Mention two types of bees found in a bee hive apart from the queen bee.

i) Drone bees ii) Worker bees

b) State the role of the queen bee in a bee hive.

To lay eggs

c) What do we call the larva stage of a bee?

Grub

51. Match the items in list A to those in list B correctly.

**List A**

**List B**

- |               |                      |
|---------------|----------------------|
| a) rain gauge | humidity             |
| b) anemometer | amount of rainfall   |
| c) barometer  | speed of wind        |
| d) hygrometer | atmospheric pressure |

a) rain gauge amount of rainfall

b) anemometer speed of wind

c) barometer atmospheric pressure

d) hygrometer humidity



52. a) Name any two groups of living things.

i) People ii) Plants

b) State any two characteristics of living things.

i) They grow

ii) They feed

53. a) Mention any two examples of annual crops grown by farmers.

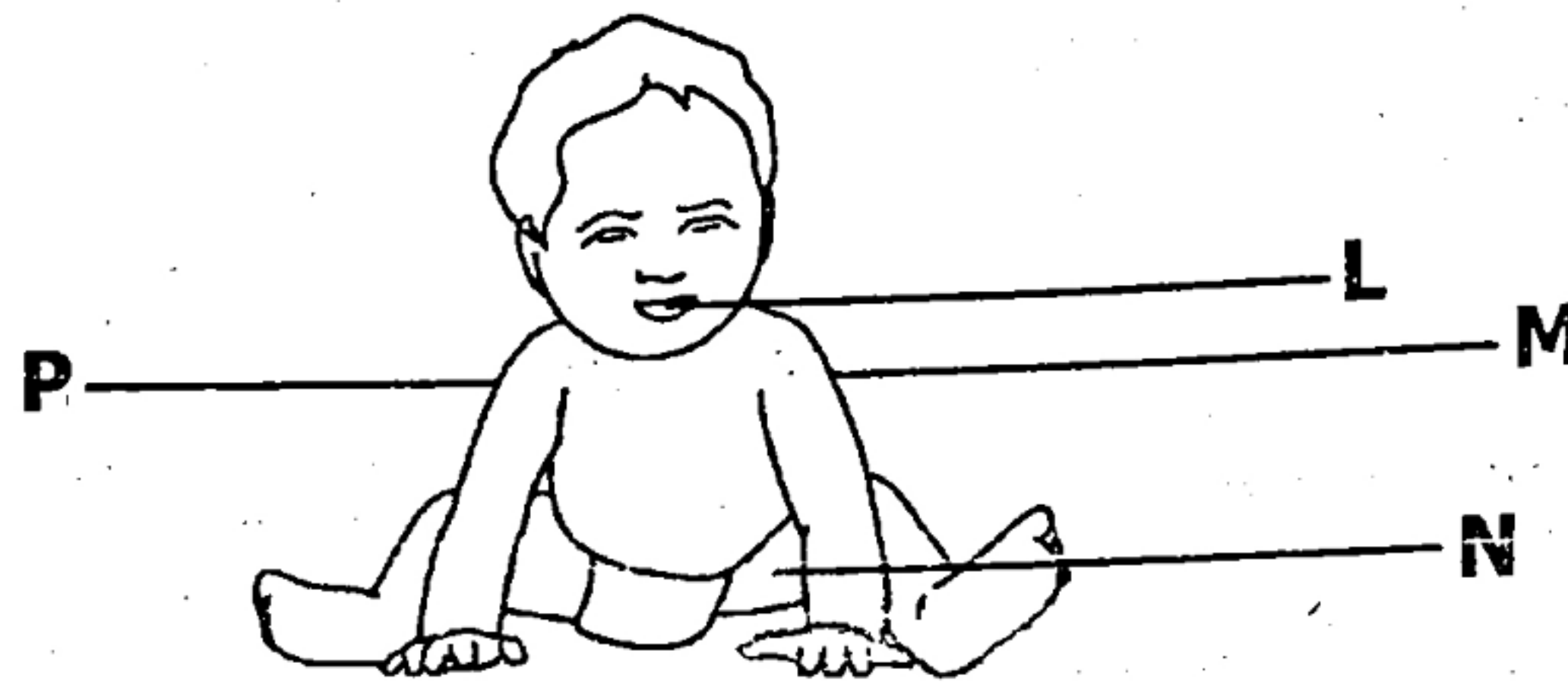
i) Maize ii) Beans

b) Write down two methods of planting annual crops.

i) Row planting method

ii) Casting method

54. Study the diagram below carefully and use it to answer the questions that follow.



a) Name one disease whose vaccine is given at site marked with letter:

i) N Tuberculosis

ii) L BGG vaccine

b) Which letter represents the site for measles vaccine?

letter P

c) Name the type of immunity the baby gets after receiving the vaccine given at site P. Artificial immunity

55. a) Apart from a stone, mention any three other objects that sink in water.

i) Nails

ii) Coins

iii) Metal

b) Why does a stone sink when placed in water?

It is more dense than water.

**END**