

**Primary Three
Science
Semestral Assessment One**

Section A (30 X 2 marks)

For each question, choose the most suitable answer and write its number in the brackets provided.

1. Which one of the following is a non-living thing?

- (1) A toy car
- (2) A sea horse
- (3) A policeman
- (4) A rose plant

2. Which one of the following was once a living thing?

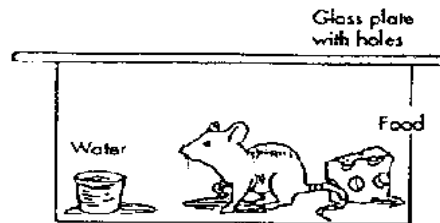
- (1) stone wall
- (2) glass
- (3) coal
- (4) plastic cup

3. In which experiment below did the mouse stay alive after two weeks?

(1)



(2)



(3)



(4)



4. Which one of these things can be made of plastic, wood or metal?

- (1) Belt
- (2) Shapener
- (3) Ruler
- (4) Toothbrush

5. Which one of the following items is made of more than one material?

- (1) Paper
- (2) Bicycle
- (3) Needle
- (4) Nail

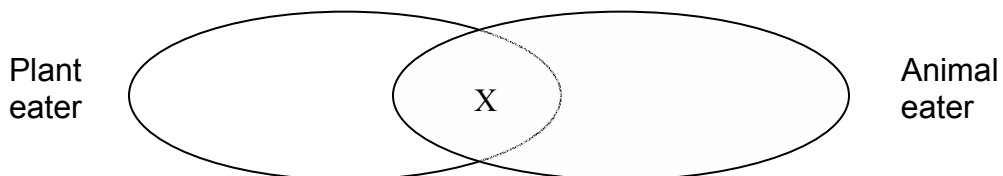
6. Which one of the following is most likely made from things that were once alive?

- (1) Padlock
- (2) Key
- (3) Nail
- (4) Cupboard

7. Wind is non-living but it is like a living thing because it_____.

- (1) can move
- (2) can die
- (3) needs water
- (4) needs food

8. Study the Venn Diagram below.



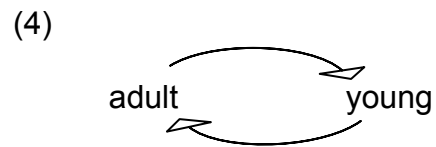
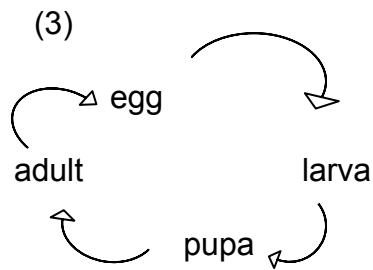
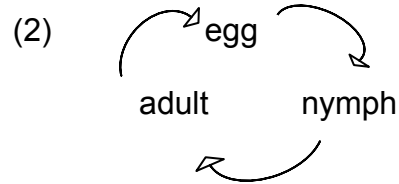
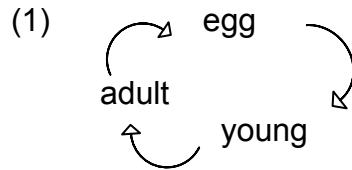
Which one of the following animals can be placed in X ?

- (1) Cow
- (2) Lion
- (3) Hen
- (4) Rabbit

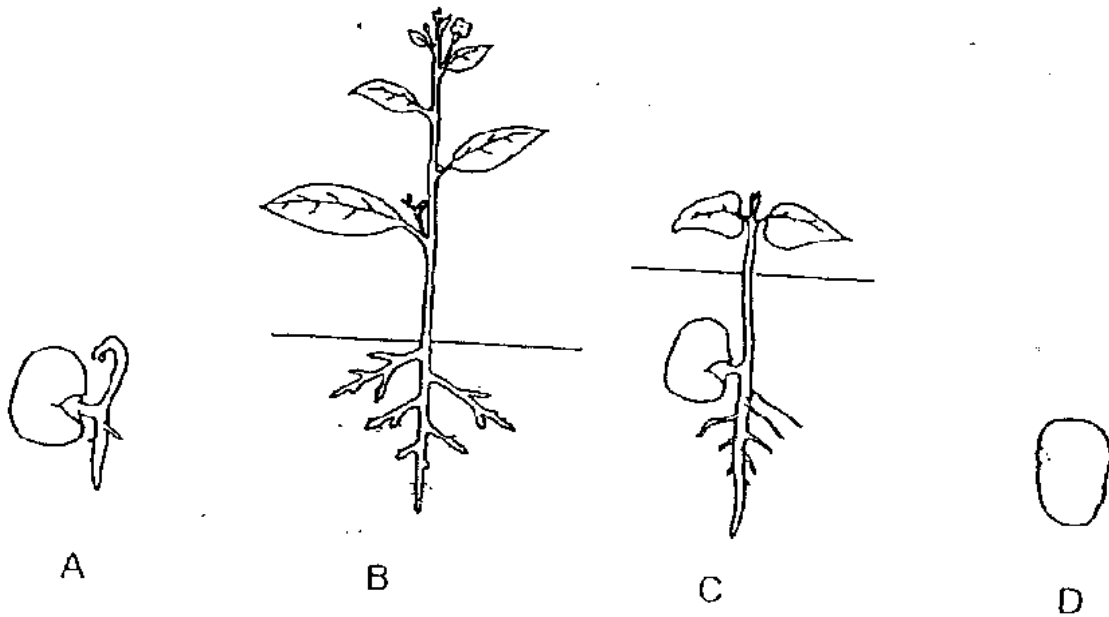
9. Organisms that are too small to see with your eyes are called

- (1) Plant cells
- (2) Animal cells
- (3) Fungi
- (4) Micro-organisms

10. Which one correctly shows the life cycle of a moth?



11. Look at the picture below.



What is the correct order of germination of a seed?

(1) D → A → B → C

(2) A → D → C → B

(3) B → A → D → C

(4) D → A → C → B

12. The objects below are grouped according to their properties.

Soft
Sponge
Pillow
Handkerchief

Hard
Nail
Hammer
X

Object X must be a _____.

- (1) pair of scissors
- (2) a set of cushions
- (3) loaf of bread
- (4) piece of cake

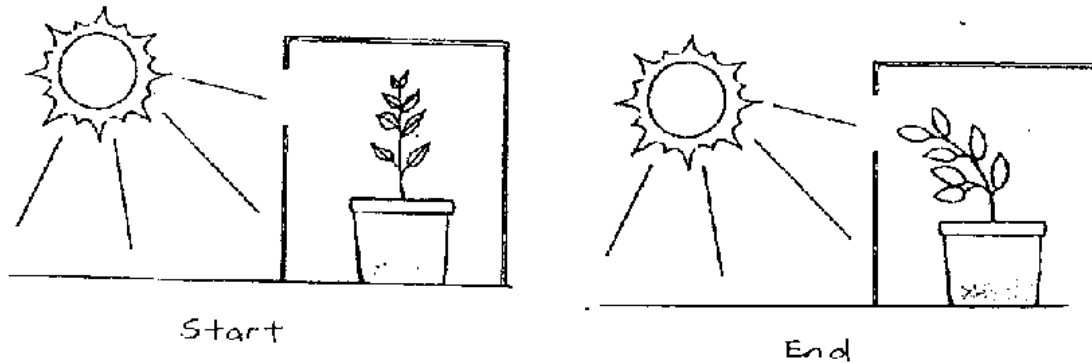
13. Mushrooms, yeast and bread mould are _____.

- (1) plants
- (2) fungi
- (3) bacteria
- (4) non-living things

14. We need our sense of _____ to tell us if an Orange is sweet or sour.

- (1) sight
- (2) taste
- (3) touch
- (4) hearing

15. Look at the diagram below



What can you say about plants from the experiment above

- (1) Plants grow towards sunlight
- (2) Plants grow towards water.
- (3) Plants need sunlight to grow.
- (4) Plants need water to grow.

16. Jim accidentally touches an oven. He immediately withdraws his hand as it is very hot. He has _____ because of the heat.

- (1) grown
- (2) jumped
- (3) yelled
- (4) responded

17. A hammer head is made of metal because metal is

- (1) soft
- (2) hard
- (3) shiny
- (4) smooth

18. When we accidentally step on a plastic sheet, we will slip and fall. This shows that it is _____

- (1) smooth
- (2) soft
- (3) transparent
- (4) shiny

19. What happens if you touch the leaves of a mimosa plant? The leaves will_____.

- (1) fall off
- (2) fold up
- (3) grow buds
- (4) sting you

20. Which one of the following is made from the liquid collected from the tree on the right?

(1)



pen

(2)



elastic band



(3)



bowl

(4)



kite

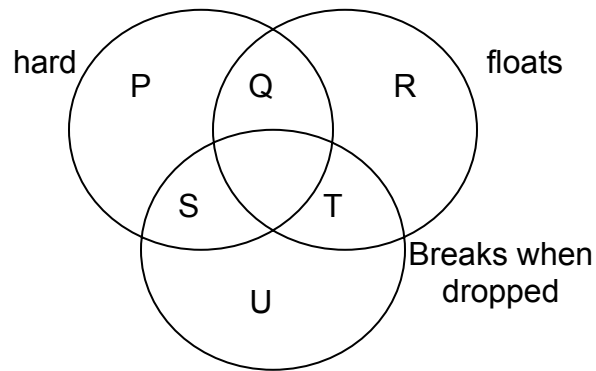
21. The seed is a living thing because it_____.

- (1) has weight
- (2) occupies space
- (3) contains food
- (4) can grow

22. How does a cockroach reproduce? It _____.

- (1) Separates itself into two parts
- (2) Gives birth to its young alive
- (3) Lays eggs in an egg case
- (4) Hatches young cockroaches from its broken legs

Use the Venn diagram below to answer questions 23,24 and 25.



23. Where would you put a mirror?

- (1) P
- (2) S
- (3) U
- (4) Q

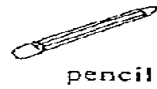
24. Where would you put a ruler?

- (1) P
- (2) R
- (3) Q
- (4) T

25. Which of the objects below can be placed in S?

- (1) Plastic vase
- (2) Metal vase
- (3) Wooden vase
- (4) Ceramic vase

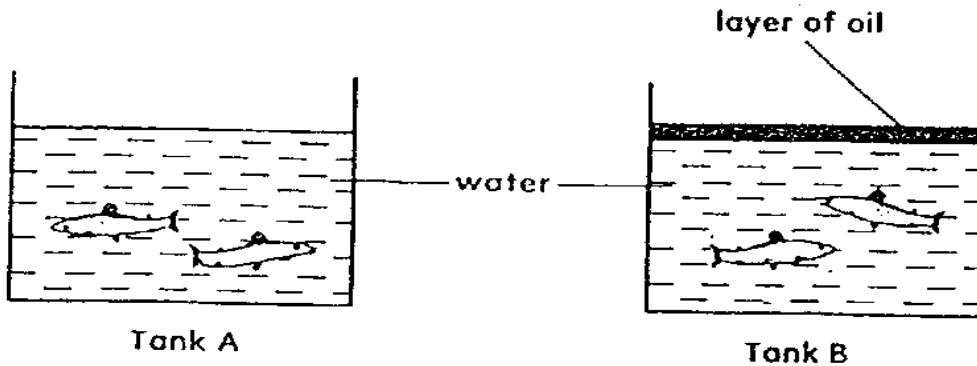
26. Look at the objects shown below.



These objects can be grouped together because all of them are _____.

- (1) Stationery
- (2) wood-based products
- (3) made from plant parts
- (4) made from non-living things that were never alive.

27.



Look at the picture above.
After a day, the fish in Tank A are still alive, but the fish in Tank B are dead. What does this show?

- (1) Fish need warmth to survive
- (2) Fish need air to survive
- (3) Without sunlight, fish will die/
- (4) The fish in Tank B ate the oil

28. Which of the organism below have similar life cycles?

- (1) cockroach and beetle
- (2) fish and butterfly
- (3) cockroach and butterfly
- (4) butterfly and beetle

29. The animals below are put into three groups.

Group A

Cat
Monkey

Animals

Group B

Cockroach
Butterfly
Mosquito

Group C

Hen
Ostrich
Duck

Which one of the following animals can you put in Group A?

- (1) Eagle
- (2) Frog
- (3) Grasshopper
- (4) Dolphin

30. Which one of the following can reproduce differently from the rest?

- (1) sunflower
- (2) onion
- (3) papaya
- (4) bean sprouts

Section B (40 marks)

Write your answers in the blanks provided.

31. Mrs Tan wants to prepare some milk for her 3 year old son.
Which of the following should she choose? (1 mark)



glass



plastic



porcelain

(a) _____

- (b) Give a reason for your answer in (a).(1 mark)
-

32. Teakwood is used to make furniture because it is _____ and durable.(2 marks)

33. Raincoats are usually made of plastic. Give 2 reasons why plastic is used to make raincoats. (2 marks)

(a) _____

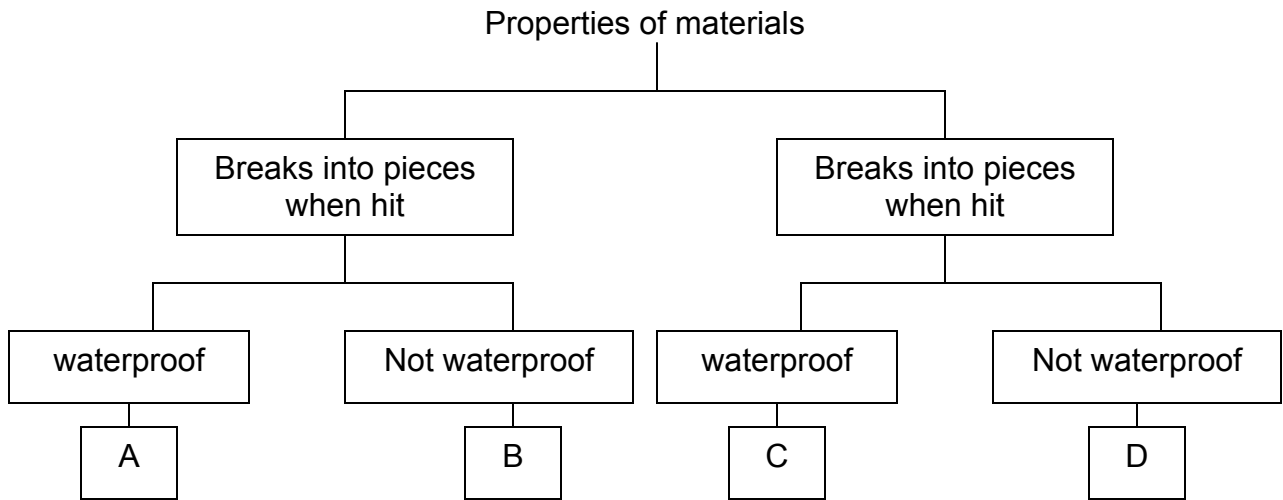
(b) _____

34. Place an ice cube and an earthworm on the ground in the garden.
Observe them for a few minutes.

(a) How does the ice cube respond to the heat from the Sun? (1 mark)

(b) How does the earthworm respond to the light from the Sun? (1 mark)

35. Study the classification diagram below carefully.



(a) Object _____ can be a metal ruler. (1 mark)

(b) Object _____ can be a glass rod. (1 mark)

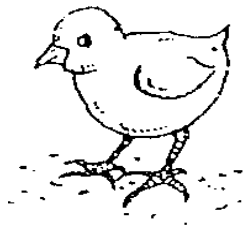
36. Group the following objects under the correct headings in the table below.(4 marks)

Cotton T-shirt
Plastic bag

Silver spoon
Story book

Made of things that were once alive	Made of things that were never alive

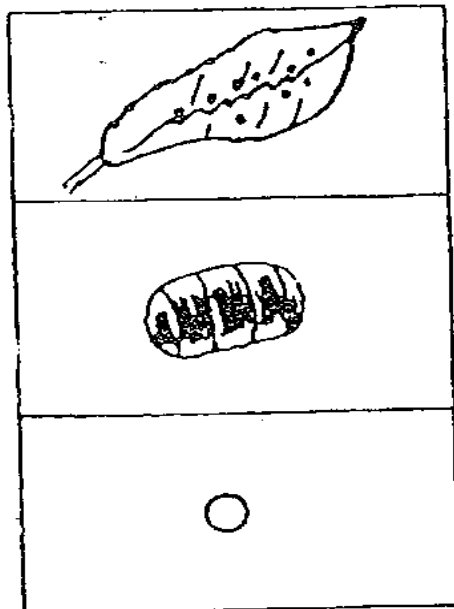
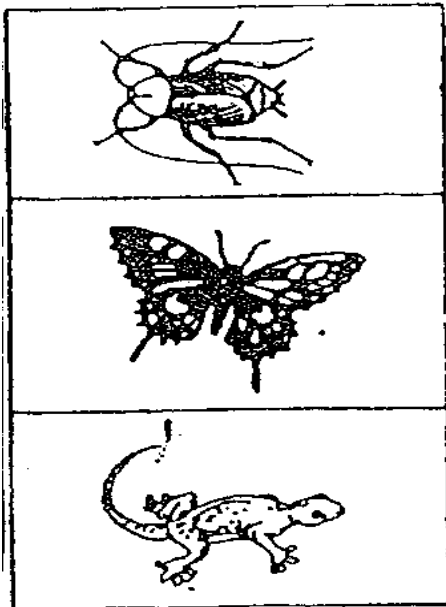
37. Look at the animals below. Write down the differences between a chick and a prawn.(2 marks)



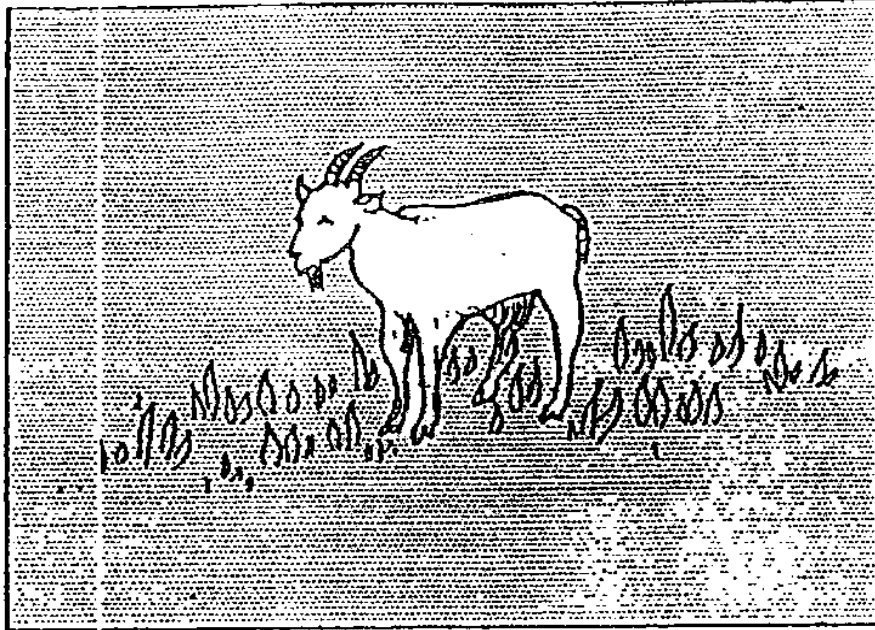
	Chick	Prawn
Body Covering		
Feelers		

38. The material that is used to make a leather bag came from an _____ which was once _____ but is now _____.(3 marks)

39. Draw lines to match the animals to their eggs. (3 marks)



40.

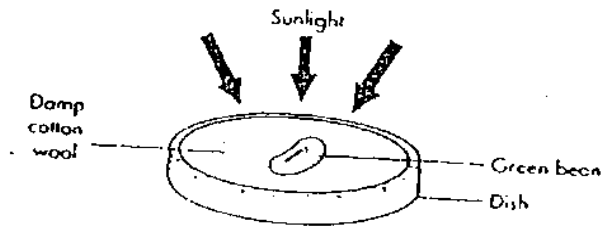


Four children looked at the picture shown above. Each of them made a statement about it.

- | | |
|---------|--------------------------------------|
| Yvonne: | The goat is eating grass. |
| Irene: | The goat has escaped from its owner. |
| Susan: | The goat is standing on the grass. |
| Alice | Someone has brought the goat here. |

Who had made a statement that is most likely to be true? (2 marks)

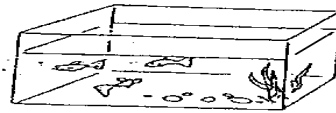
41. Look at the picture below.



(a) What will happen to the green beans after a few days? (1 mark)

(b) How does this happen? (1 mark)

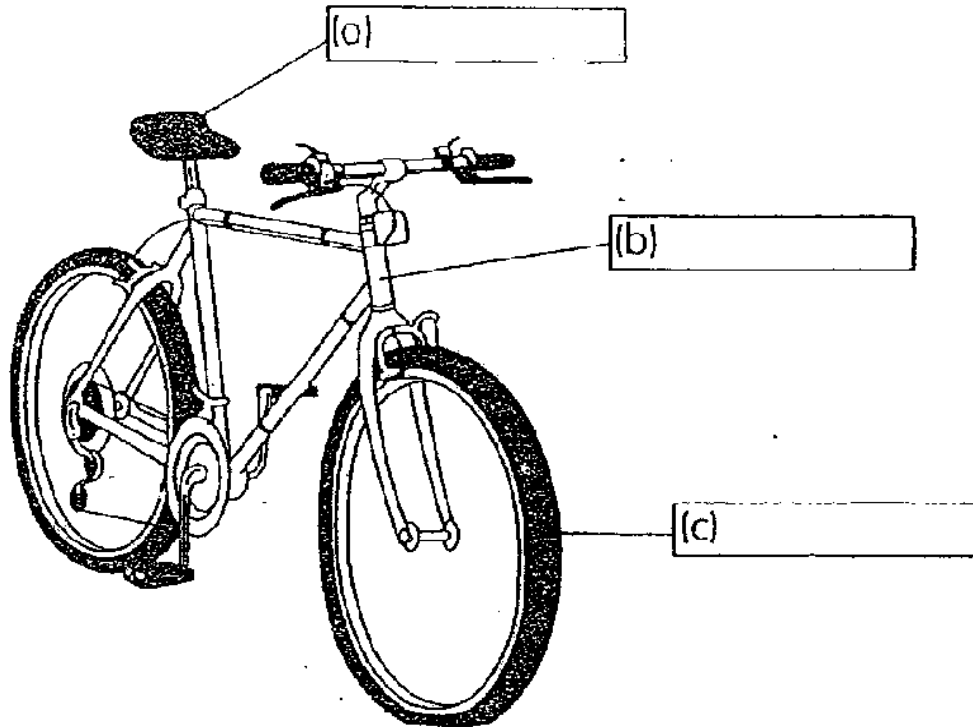
42. The figure below shows an aquarium.



(a) What type of material is the aquarium made of ? (1 mark)

(b) Why is this material used for making the aquarium?

43. A bicycle is made of more than one material. Name the materials below (3 marks)



44. Look at the picture of the animals below.



Spider



Butterfly

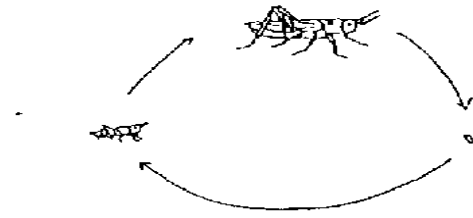
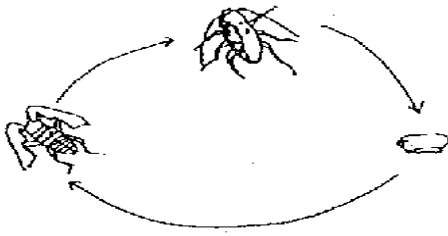


Ant

- (a) Which two animals belong to the same group? (1 mark)

- (b) Explain why the third animal does not belong to the same group as the other two. (1 mark)

45. Look at the life cycles of the grasshopper and cockroach below. State three ways in which the two life cycles are the same. (3 marks)

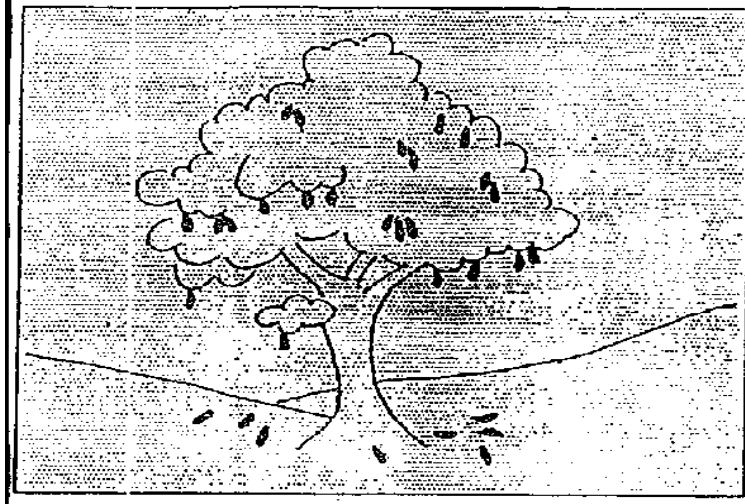


(a)

(b)

(c)

46. Look at this picture of a mango tree in a school garden.



Read the statements below carefully. Tick (✓) the ones which you can be most sure is true just by looking at the picture.

The wind has knocked some mangoes off the tree.

There are mangoes on the ground and on the tree.

The mangoes on the tree are ripe.

The tree could not hold all its fruits.

There are more fruits on the tree than on the ground.

The mangoes on the ground are bad.