

**Primary Three
Science
Semestral Assessment Two**

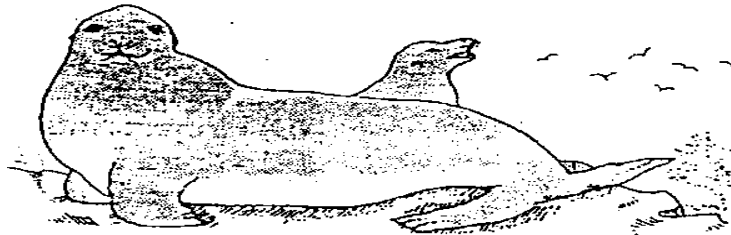
Section A (30 x 2 marks)

Choose the best option for each question and write its number in the brackets provided.

1. What are the three important things all living thing needs?

- (1) sunlight, food, water
- (2) air, food, water
- (3) sunlight, air, water
- (4) air, food, sunlight

2. Which of the following is **true** about the animal below?

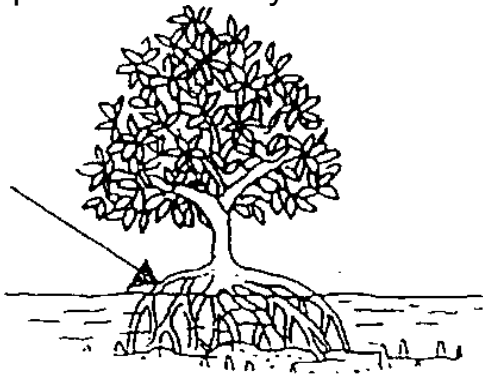


- (1) It gives birth to live young.
- (2) It can breathe underwater.
- (3) It eats seaweeds.
- (4) It moves on four legs.

3. Which characteristic is found in plants but not in animals?

- (1) Plants can move.
- (2) Plants can be eaten as food.
- (3) Plants can reproduce.
- (4) Plants can make their own food.

4. What is the plant part indicated by the arrow?



- (1) fruit
- (2) root
- (3) stem
- (4) branch

5. Which of the following materials when dropped will break most easily?

- (1) metal
- (2) porcelain
- (3) paper
- (4) plastic

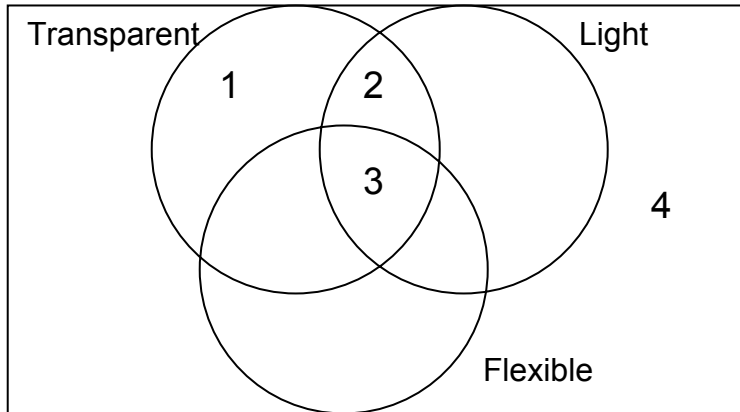
6. In an experiment with magnets, Mrs Su has to waste a lot of time removing the iron filings that have stuck onto the bar magnets at the end of her lesson. What would you suggest that Mrs Su could do to prevent her students from getting the iron filings directly onto the bar magnets?

- (1) Wet the magnet.
- (2) Wrap each bar magnet with aluminium foil.
- (3) Smear a layer of oil on each of the magnets.
- (4) Sprinkle the iron filings some distance away from the magnets.

7. Material _____ below can be used to make window panes.

Material	Transparent?	Easily broken?	Expensive?
1.	Yes	No	No
2.	No	Yes	No
3.	No	No	Yes
4.	Yes	Yes	No

8. Steel can be placed in _____.



9. Which of the animals **does not** look after its young?

- (1) snake
- (2) monkey
- (3) dog
- (4) bear

10. Animals are grouped according to some similarities. Which of the following shows the correct grouping for the animals below?

	Insects	Mammals
1.	Cockroach	Ostrich
2.	Spider	Mouse
3.	Butterfly	Whale
4.	Ant	Oyster

11. The hibiscus flower **does not** have _____.

- (1) petals
- (2) smell
- (3) sepals
- (4) nectar

12. Which of these animals does not lay eggs?

- (1) frog
- (2) dolphin
- (3) mosquito
- (4) cockroach

13. When walking on the road, my senses of _____ warn me of danger.

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

14. Which animal shown below is **not** an insect?

(1)



(2)



(3)



(4)



15. The body of a dragonfly is protected by _____.

- (1) fur
- (2) a layer of hard skin
- (3) wax
- (4) a pair of wings

16. What happens to undigested food?

- (1) It is absorbed into the body.
- (2) It is passed out of the body.
- (3) It goes through the digestive system again.
- (4) It remains in the large intestine.

17. Which of the following statements is **incorrect**?

- (1) The muscular and skeletal systems work together to provide movement.
- (2) The place where two bones meet is called a joint.
- (3) Muscles usually work in pairs.
- (4) All muscles stop working when we sleep.

18. Which of these activities uses muscular action?

- A. lifting things
- C. sitting

- B. standing
- D. pushing

- (1) A and D only.
- (2) A, B and D only.
- (3) B and C only.
- (4) A, B, C and D.

19. Which of these are functions of the skeleton?

- A. supports the body
- C. protects the vital organs

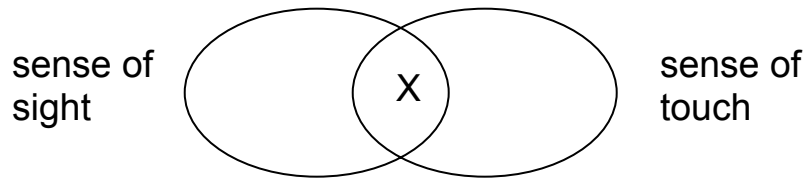
- B. enables movement
- D. gives the body shape

- (1) A and B only.
- (2) C and D only.
- (3) B, C and D only.
- (4) A, B, C and D

20. Which part of the digestive system absorbs water from the food?

- (1) mouth
- (2) gullet
- (3) small intestine
- (4) large intestine

21. Study the diagram below carefully.



Which of the following activities can be placed in **X**?

- A. Selecting a silky and a flowery scarf.
- B. Identifying which glass of liquid is cold and colourless.
- C. Watching a television programme.
- D. Collecting all the red shirts that have dried.

- (1) C only.
- (2) A, B and D only
- (3) A and B only
- (4) A, B, C and D.

22. Our brain together with our nerves work like a **telephone system** in that it _____.

- (1) controls all parts of our body
- (2) receives and sends messages
- (3) has many nerves connected to it
- (4) is controlled by the brain

23. The diagram shows two leaves which appear to be very different but are in fact, similar in some ways.



From what you can observe in the diagram, which of the following do you think are the most likely reasons?

- (1) They are green leaves.
- (2) They have lobed edges.
- (3) Their veins are the same pattern.
- (4) Their surfaces are of the same roughness.

24. Man grows roadside plants for many reasons. Which of the following do you think are the most likely reasons?

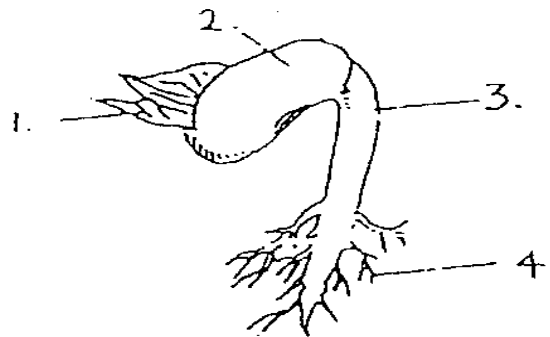
- A. to give us wood
- B. to beautify the surroundings
- C. to provide shade
- D. to provide food

- (1) A and D only
- (2) B and C only
- (3) B, C and D only
- (4) A, B, C and D

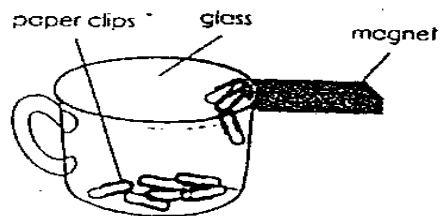
25. Which of the following plants has a woody stem?

- (1) sunflower
- (2) rose
- (3) balsam
- (4) orchid

26. Which part of the plant shown below provides food for the seedling?

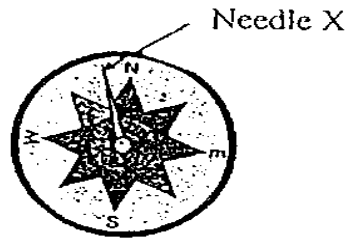


27. What does the experiment below show?



- (1) Magnetism can pass through glass.
- (2) Magnetism is strongest at the poles.
- (3) Like poles repel.
- (4) Unlike poles attract.

28. The diagram below shows a compass.



Which of the following statement is **incorrect**?

- (1) Needle X is used to find out where the north is
- (2) Needle X is a magnet.
- (3) Needle X is used to tell us the time.
- (4) Needle X will always rest in a north – direction.

29. What happens when two magnets repel each other?

- (1) The two magnets push away each other.
- (2) The two magnets attract iron.
- (3) The magnets lose their magnetism.
- (4) The magnets attract each other.





30. Magnetic materials that _____.

- (1) attract other materials.
- (2) are attracted to magnets.
- (3) will attract magnets.
- (4) will not attract other magnets.

Section B (40 marks)

Write your answers in the spaces provided.

31. Put a tick (✓) in the correct boxes. (4 m)

Animal	Eats plants only	Eats meat only	Eats both plants and meat
(a) 			
(b) 			
(c) 			
(d) 			

32. Fill in the blanks with the helping words given below. (2 m)

hibiscus money plant bougainvillea canna orchid

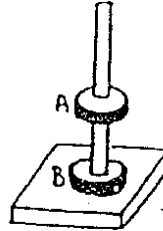
Some plants do not need soil to grow. Name two plants from the given plants that can be grown without soil.

(1) _____ (2) _____ (2 m)

33. Steel is often used in the construction of buildings and structures because it is a _____ and _____ material. (2 m)

34. The North Pole of a magnet attracts the _____ pole of another magnet. These two poles are called _____ poles. (2 m)

35.



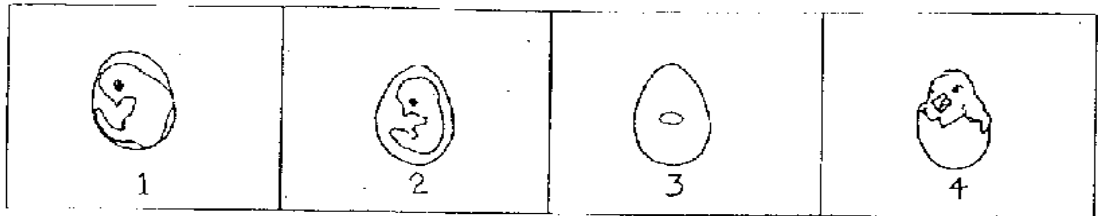
In the diagram shown above, why do the magnets labelled A and B repel each other?

36. Put the animals below in the correct group in the table. (4 m)

butterfly grasshopper mosquito cockroach

LIFE CYCLE	
3 STAGES	4 STAGES

37. The pictures below show the different stages of the development of a chicken but they are not in the correct order. Arrange the pictures in the correct order by filling the numbers in the boxes below. (2 m)



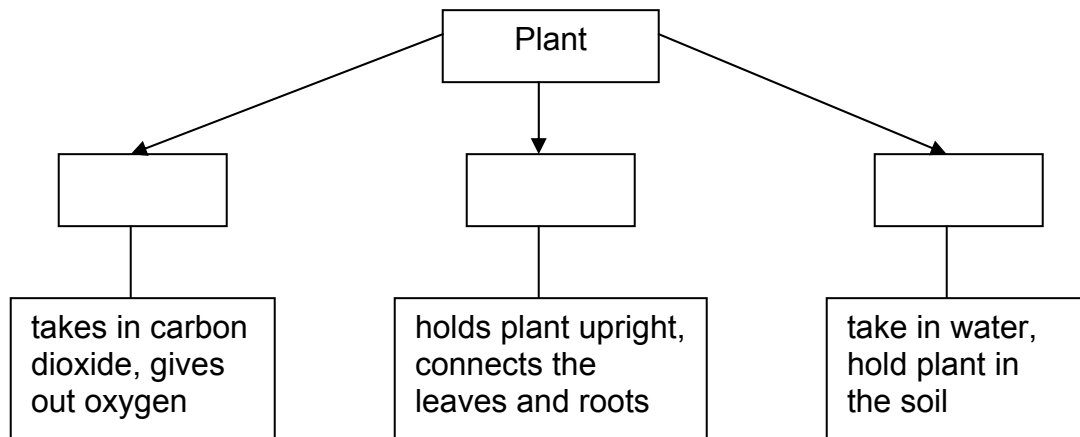
The stages in the correct order are:

First stage

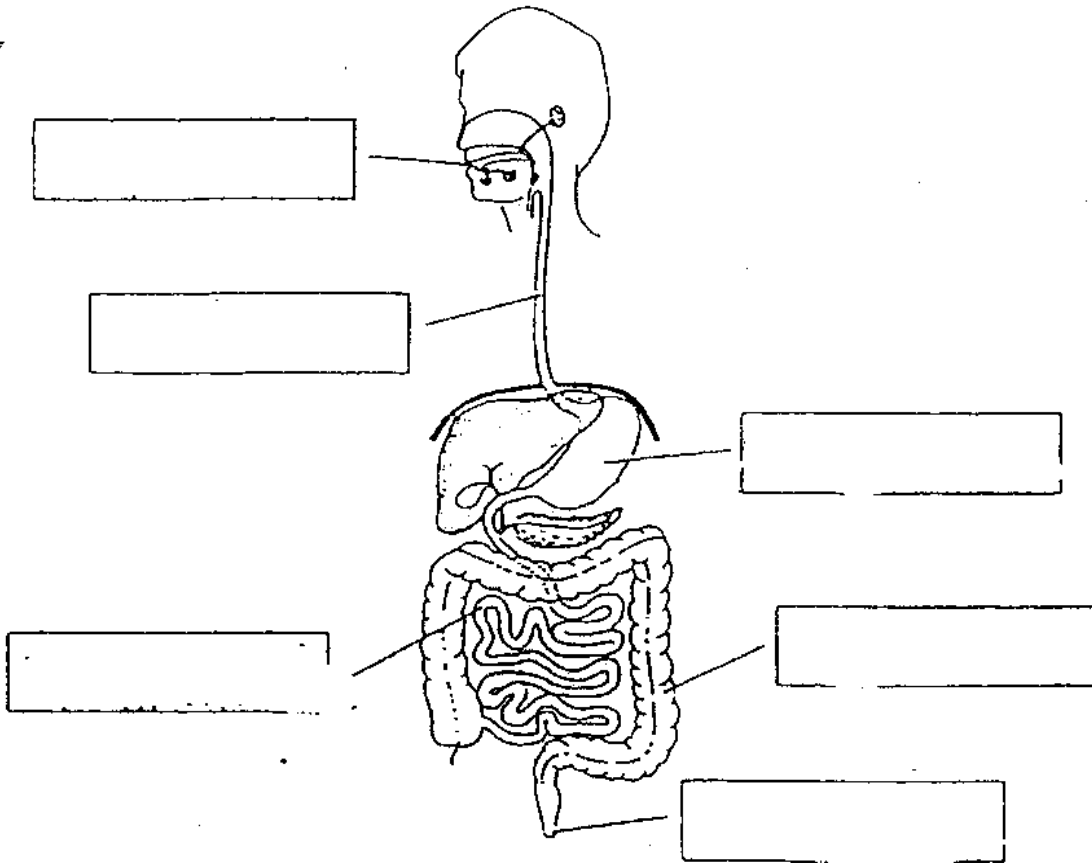
Last stage

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38. Fill in the blanks by naming the part of the plant which has the given functions. (3 m)



39. Label the parts of the digestive system below. (3 m)



40. The pictures below are not in the correct order. Arrange the pictures in the correct order by filling the numbers in the boxes below.

 <p>The girl feels hungry and eats the cake.</p> <p>1</p>	 <p>The cake on the table gives off a sweet smell.</p> <p>2</p>	 <p>The girl is attracted to the smell and sight of the cake.</p> <p>3</p>
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a) The pictures in the correct order are: (1 m)

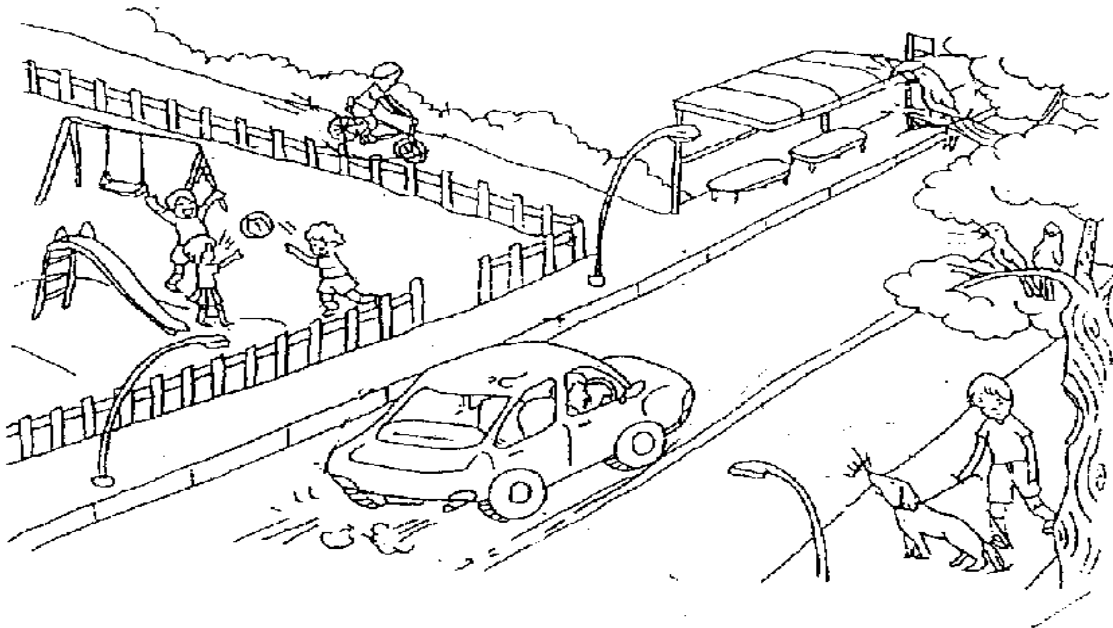
First picture

Last picture

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b) The girl uses her _____ to taste the food. (1 m)

41. Look at the picture below. Circle 4 things that produce sounds. (2 m)

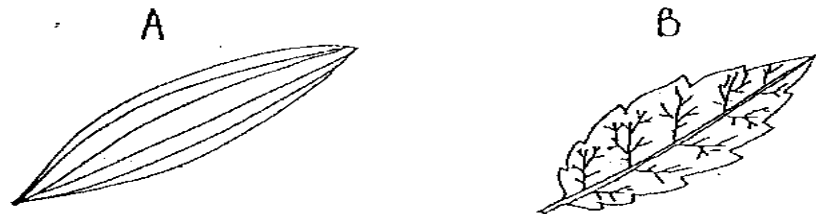


42. A bar magnet was placed in a box of iron nails. Different parts of the magnet picked up different number of nails. The table below shows the parts and the number of nails picked up.

Part	A	B	C	D	E
Number of nails	5	11	15	3	13

Which part of the poles of the magnet? (2 m)

43. Write down two differences between these two leaves. (2 m)



a) _____

b) _____

44. Write **True** or **False** in the brackets provided. (2 m)

a) All plants have roots, stems, leaves, flowers, fruits and seeds. ()

b) Some plants can grow in drains, on walls and on other plants. ()

c) All parts of poisonous plants have poisonous substances. ()

d) Roots take in water and air from the soil. ()

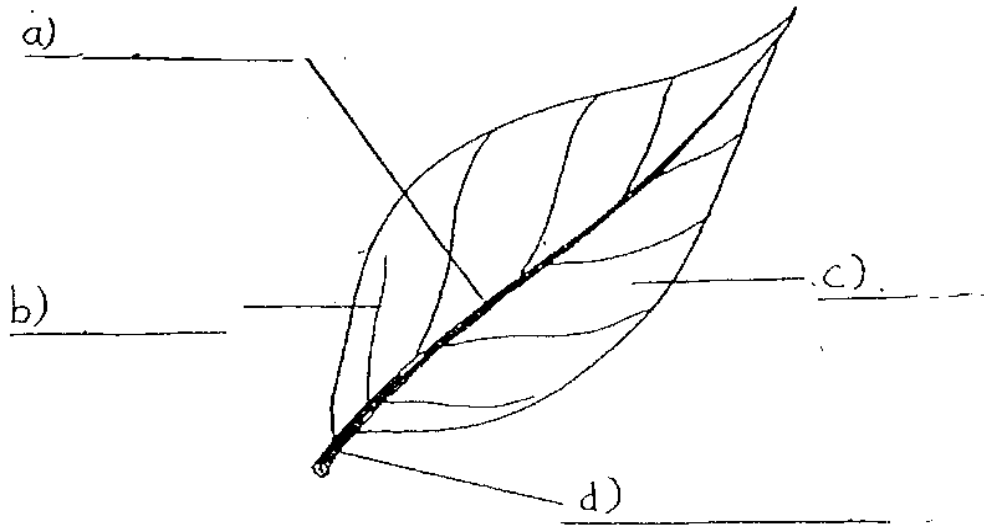
45. Label the parts of the leaf with the helping words given below.
(4 m)

leaf blade

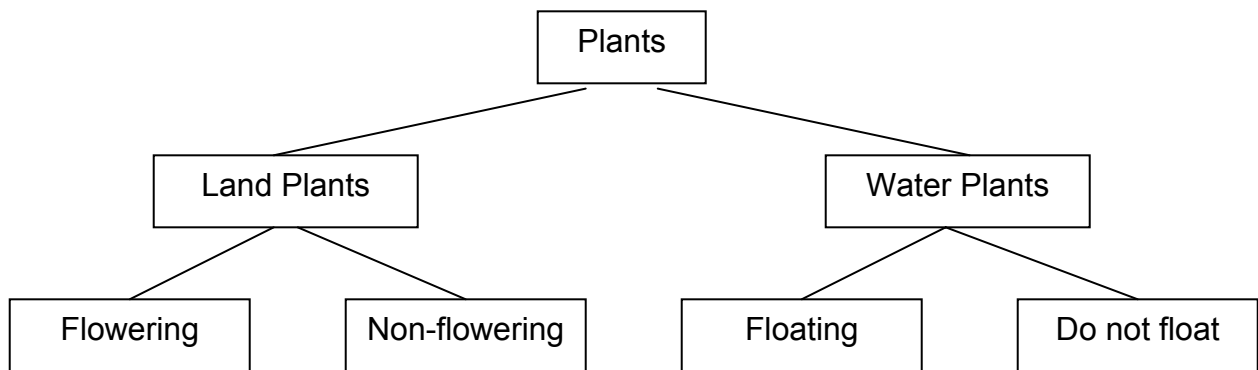
leaf stalk

branch vein

main vein



46. The chart below shows the classification of some plants. Write “bougainvillea” and “lotus” in the correct spaces. (2 m)



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