



MAHA BODHI SCHOOL

2006 SEMESTRAL ASSESSMENT 1

PRIMARY 3 SCIENCE

Name: \_\_\_\_\_ ( )

Date: 15 May 2006

Class: Primary 3 ( )

**BOOKLET**

Questions .

marks

Total Time for Booklets A & B: 1 h 30 min

Instructions to Candidates

Do not open this booklet until you are told to do so.

Follow all instructions carefully.

Check all the pages carefully to make sure that all the questions are in order.

Answer all the questions.

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This booklet consists of 6 pages.

	Max. Marks	Actual Marks
Booklet A	30	
Booklet B	20	
Total	50	
	100	
Parent's Signature		

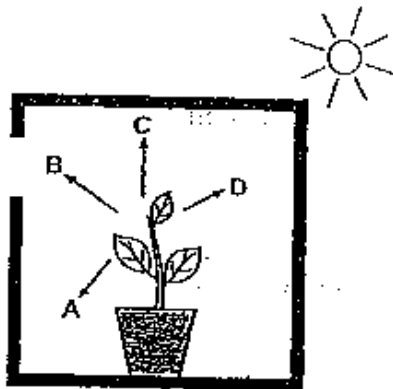
**PART I (30 marks)**

For each question from 1 to 30, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. Which one of the following statements best explains the term 'classification'?

- (1) Classification involves comparing different objects.
- (2) Classification involves dividing things into 2 groups.
- (3) Classification involves sorting objects into living and non-living things.
- (4) Classification involves sorting things into groups with similar characteristics.

2. Tim placed a pot of plant in a black box with an opening as shown in the diagram below. The box was placed in a sunny place and was watered daily.



In which direction will the plant grow after a few days?

- (1) A
- (2) B
- (3) C
- (4) D

3. Study the table below carefully.

<i>Characteristics</i> <i>Objects</i>	<i>Can grow</i>	<i>Can reproduce</i>	<i>Can respond to changes</i>
R	√	√	√
S	X	X	X

Based on the table, what could 'R' and 'S' represent?

	R	S
(1)	Beetle	Plant
(2)	Cup	Scissors
(3)	Beetle	Cup
(4)	Scissors	Plant

4. Ahmad bought a pet bird and kept it in a cage. He fed it daily with seeds. After a few days, the bird died. The pet bird probably died because it did not get enough \_\_\_\_\_



- (1) food
- (2) air
- (3) water
- (4) fertiliser

5. Study the classification table below.

Group A	Group B	Group C
Tiger	Hippopotamus	Pig
Lion	Goat	Man

The animals are grouped according to \_\_\_\_\_

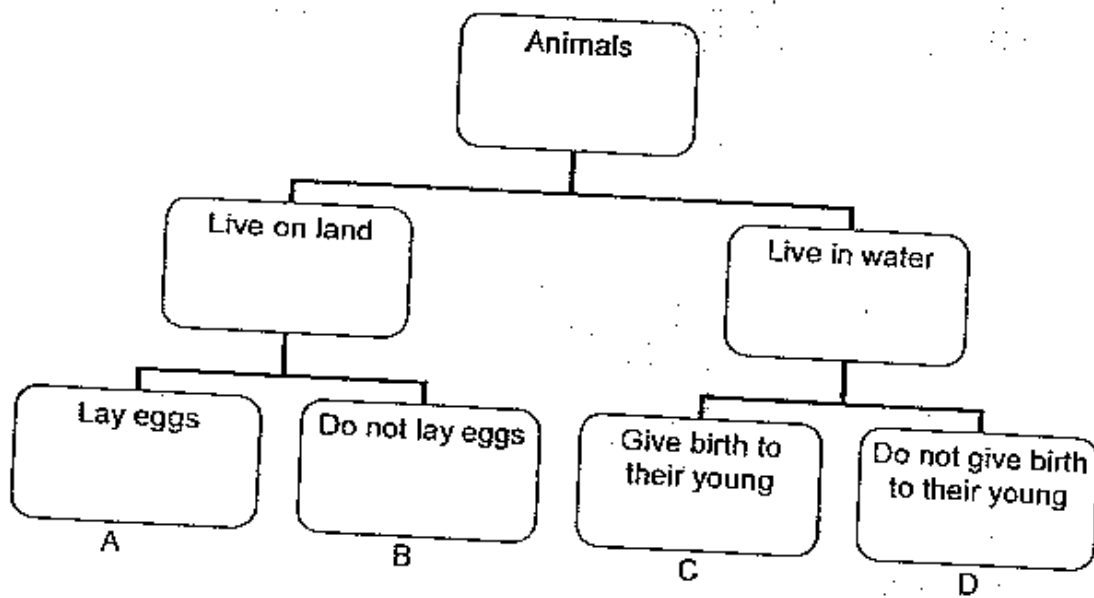
- (1) the place they live in
- (2) the way they move
- (3) the type of food they eat
- (4) the type of body covering they have

6. The feathers on a bird help \_\_\_\_\_

- (A) it to float on water
- (B) to keep it warm
- (C) it to fly

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

7. Study the classification table below.



Which one of the following lists of animals represents 'A', 'B', 'C' and 'D' correctly?

	A	B	C	D
(1)	Giraffe	Whale	Goldfish	D
(2)	Whale	Goldfish	Ostrich	Ostrich
(3)	Goldfish	Ostrich	Giraffe	Giraffe
(4)	Ostrich	Giraffe	Whale	Whale
				Goldfish

8. Jonathan saw an animal and wrote down the following characteristics:

- The animal is covered with hair.
- It lives on land.
- It gives birth to its young alive.

What could the animal be?

- (1) Snake
- (2) Duck
- (3) Angelfish
- (4) Monkey

9. Which one of the following animals belongs to a different group?

(1)



(2)



(3)



(4)



10. Study the diagram below.  
The animal is an insect because it has \_\_\_\_\_



- (A) 6 legs
- (B) 3 body parts
- (C) wings

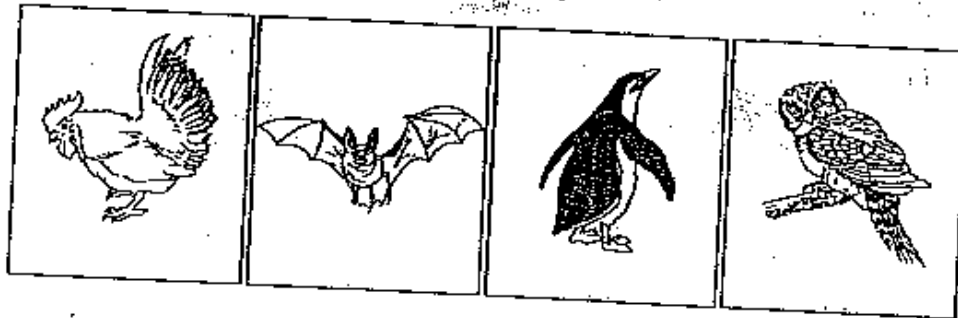
- (1) A only
- (2) B only
- (3) A and B only
- (4) A, B and C

11. All fishes live in water. They use their \_\_\_\_\_ for swimming and \_\_\_\_\_ for breathing.

- (1) tails ..... mouths
- (2) fins ..... gills
- (3) scales ..... skin
- (4) stomach ..... nostrils

12. Jane placed the animals below in the same group. However, her teacher said that she had made a mistake and told her to remove one of the animals from the group.

Which one of the following animals was placed wrongly?



(1)

(2)

(3)

(4)

13. Celine came across a picture of an animal as shown below. Which group of animals does it belong to?



- (1) Fish
- (2) Birds
- (3) Insects
- (4) Mammals

14. Study the classification table below.

Group X	Group Y	Group Z
Hamster	Goose	Butterfly
Cow	Ostrich	Mosquito
Whale	Sparrow	Cockroach

Which one of the following animals could be put in Group Z?

- (1) Ant
- (2) Spider
- (3) Earthworm
- (4) Tiger

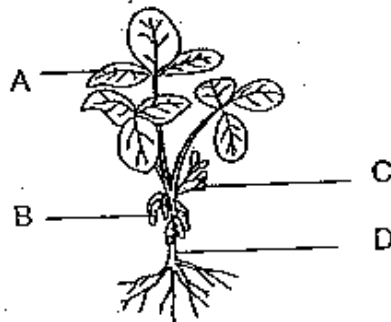
15. Plants can make their own food because they have \_\_\_\_\_.

- (1) stem
- (2) fruits
- (3) flowers
- (4) a green pigment called chlorophyll

16. Which part of the plant takes in water?

- (1) Root
- (2) Stem
- (3) Leaf
- (4) Flower

17. Study the diagram of a plant below carefully.  
Which one of the following, A, B, C or D make food for the plant?



- (1) A
- (2) B
- (3) C
- (4) D

18. Which of the following sentences are true about the usefulness of plants?

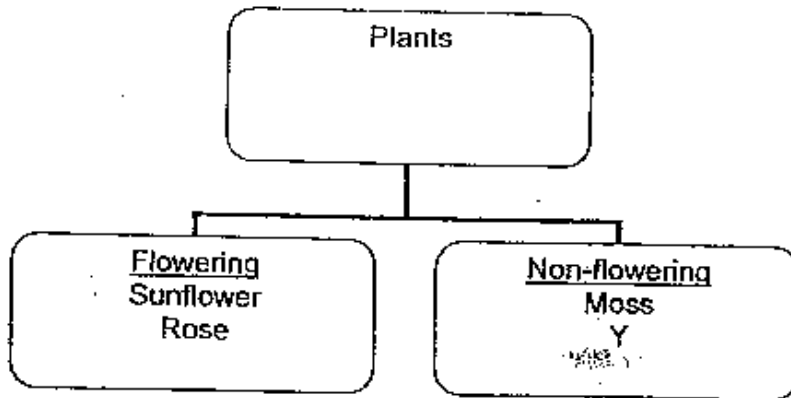
- (A) They provide food.
- (B) They provide shade.
- (C) They provide oxygen.
- (D) They beautify the place.

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

19. Which one of the following is true about plants?

- (1) Non-flowering plants are not green.
- (2) Flowering plants have colourful flowers.
- (3) Flowering plants are taller than non-flowering plants.
- (4) Flowering plants produce flowers which will develop into fruits that contain seeds.

20. Study the classification table below.



Which one of the following can 'Y' be?

- (1) Orchid
- (2) Rain tree
- (3) Mushroom
- (4) Bird's nest fern



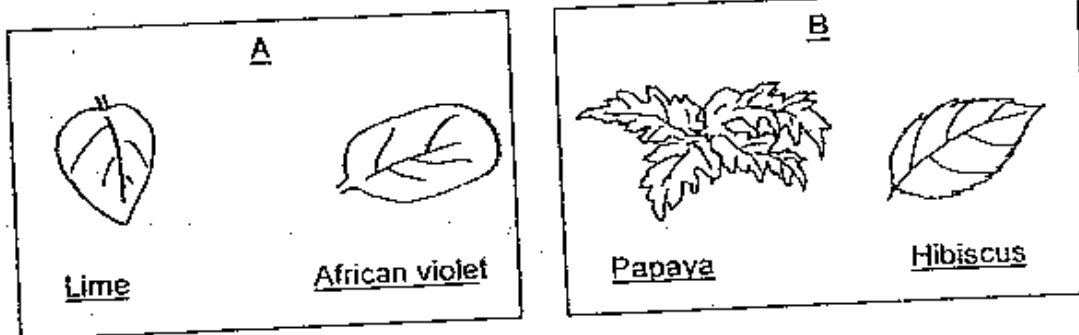
21. Julie wrote 4 sentences to describe a living thing.

- A: It is green.
- B: It can reproduce.
- C: It makes its own food.
- D: It needs air and water.

Which statement tells us that the living thing is a plant?

- (1) A
- (2) B
- (3) C
- (4) D

22. Which one of the following lists consists of suitable headings for A and B in the classification table below?



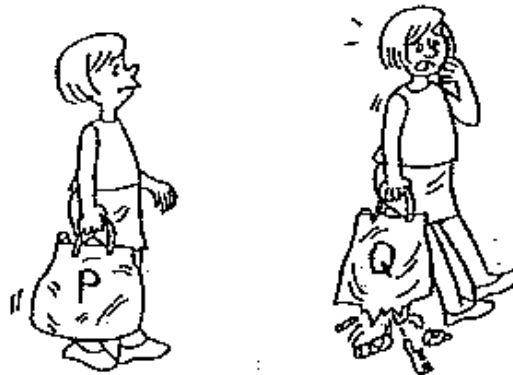
	A	B
(1)	Entire edged	Jagged edged
(2)	Smooth	Hairy
(3)	Jagged edged	Entire edged
(4)	Hairy	Smooth

23. Which one of the following is correctly grouped?

	Fungi	Micro-organisms
(1)	Bacteria	Yeast
(2)	Mushroom	Mould
(3)	Mould	Bacteria
(4)	Yeast	Mushroom

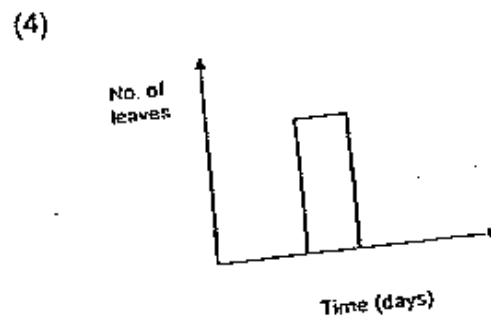
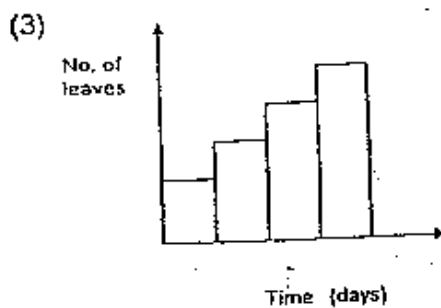
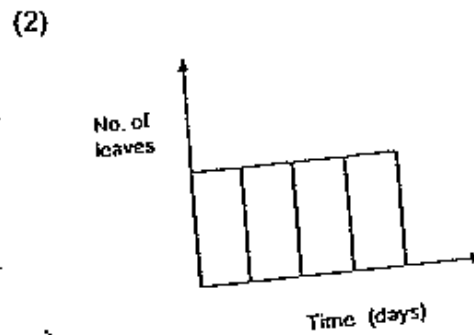
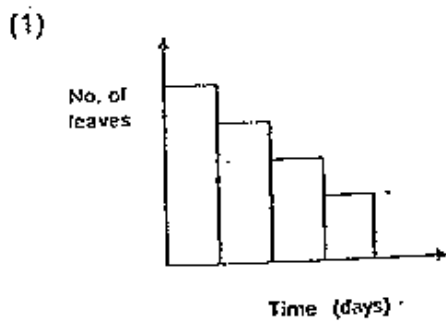
24. Fungi reproduce by \_\_\_\_\_
- (1) bacteria
  - (2) spores
  - (3) seeds
  - (4) flowers
25. Why are fungi not considered plants?
- (1) They can grow anywhere.
  - (2) They are smaller than plants.
  - (3) They do not have chlorophyll.
  - (4) They have a shorter life cycle than plants.
26. Which one of the following statements is NOT correct?
- (1) A microscope is used to observe micro-organisms.
  - (2) All micro-organisms are harmful and can make us sick.
  - (3) Some bacteria are used to turn milk into cheese.
  - (4) Yeast can be used for making bread.
27. Lily wants to make a raincoat. Which of the following properties must she consider when choosing the material?
- (A) It is light.
  - (B) It is waterproof.
  - (C) It is thick.
  - (D) It is transparent.
- (1) A and B only
  - (2) B and C only
  - (3) A, C and D only
  - (4) B, C and D only

28. Twin sisters, May and June, bought the same things from a shop. However, the shopkeeper placed their things into two bags made of different materials.



Which one of the following statements about the two bags, P and Q, is correct?

- (1) Bag Q is lighter than Bag P.
  - (2) Bag Q is softer than Bag P.
  - (3) Bag P is stronger than Bag Q.
  - (4) Bag P is more flexible than Bag Q.
29. Which one of the following bar graphs correctly shows the number of leaves of a bean plant as it grows into a healthy adult plant?



30. Lee Min planted 5 pots of string bean seedlings, A, B, C, D and E. She watered them every day with different amount of water and measured their height after 1 week. Study her chart below carefully.

Pot	A	B	C	D	E
Average height of seedlings in cm	30				
	25				
	20				
	15				
	10				
Amount of water given per day	5				
		20 ml	30 ml	40 ml	60 ml

What is the smallest amount of water that Lee Min should use to water the plants so that they will grow the tallest in a week?

- (1) 20 ml
- (2) 40 ml
- (3) 60 ml
- (4) 80 ml

END OF PART I



MAHA BODHI SCHOOL  
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**BOOKLET B**

10 Questions

20 marks

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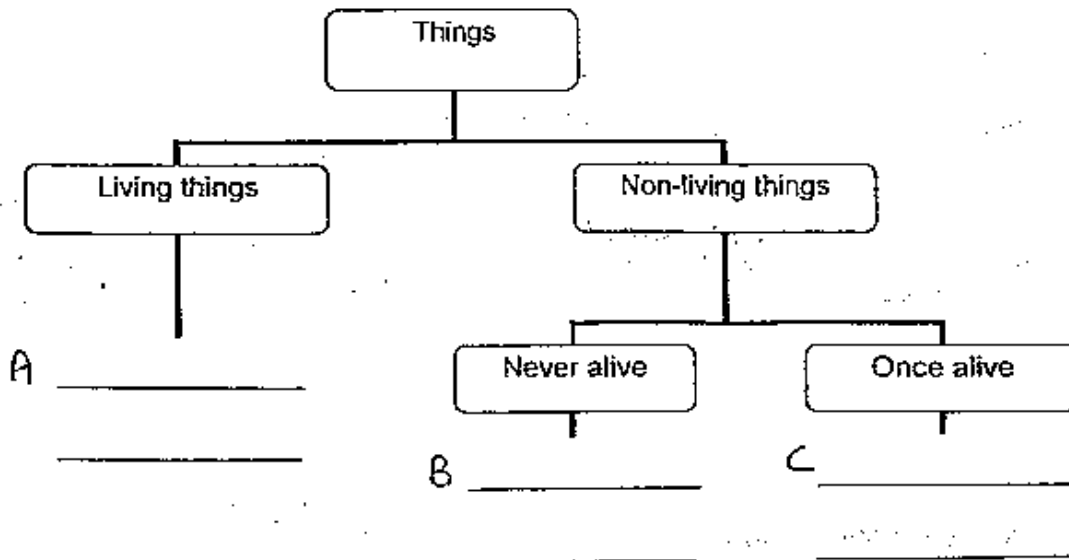
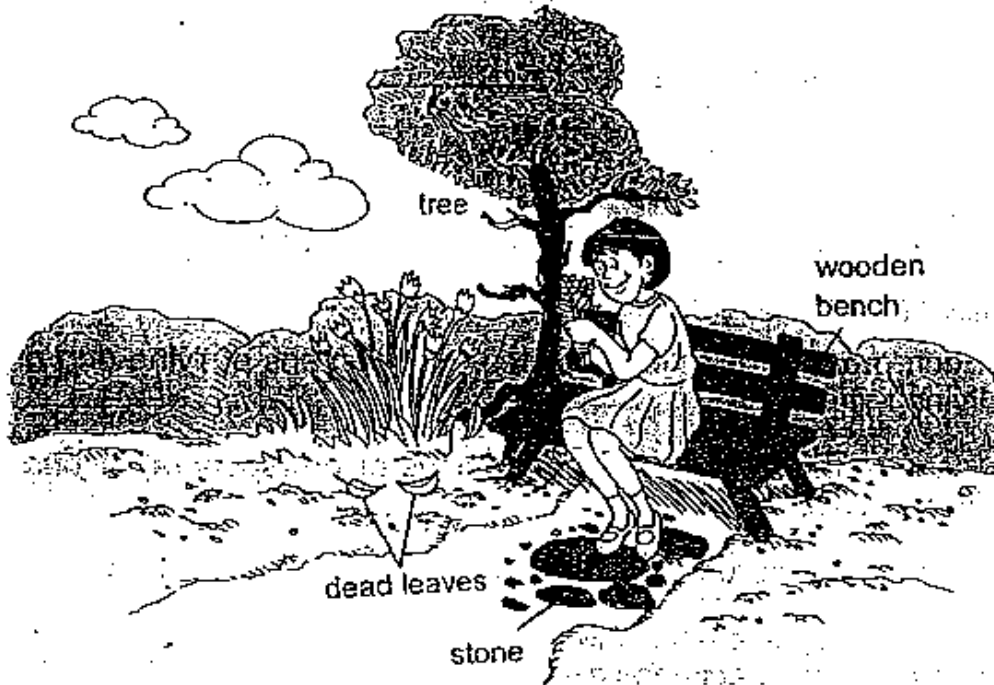
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**PART II (20 marks)**

Write your answers to questions 31 to 40 in this booklet.

31. Study the picture of a garden below.  
Classify the 4 things (tree, dead leaves, wooden bench, stone) in the picture in the classification table below.



[2]

32. Each of the following sentences tells us something about living things. Match the sentences in Group A to those in Group B by joining the dots with a line each. [2]

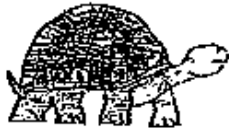
Group A

- (i) A woman gives birth to a baby. •
- (ii) An ant crawls on the ground. •
- (iii) A seedling becomes a tree. •
- (iv) A mimosa plant closes its leaves when touched. •

Group B

- Living things can grow.
- Living things can reproduce.
- Living things can respond.
- Living things can move.

33. Study the two animals, A and B, carefully. State one similarity and one difference between them. (Do not compare shape and size).



Animal A



Animal B

Similarity : \_\_\_\_\_

\_\_\_\_\_ [1]

Difference : \_\_\_\_\_

\_\_\_\_\_ [1]

34. I have hair on my body and I feed my young with milk. I spend my life in the ocean.

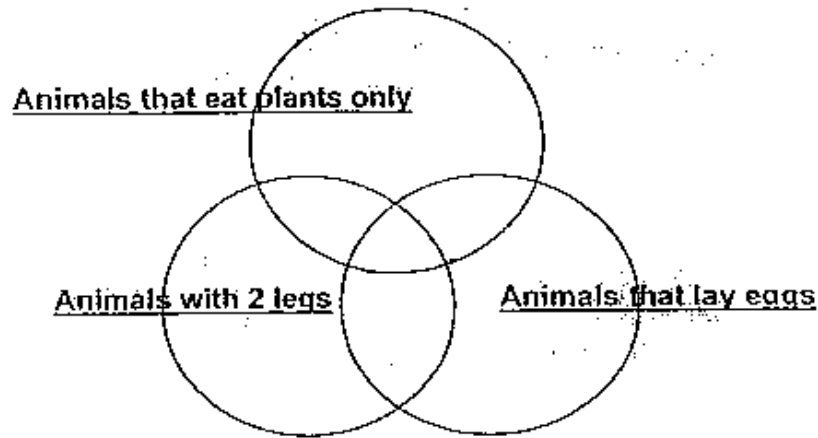
(a) Who am I?

\_\_\_\_\_ [1]

(b) Which group of animals do I belong to?

\_\_\_\_\_ [1]

35. Study the Venn diagram below.



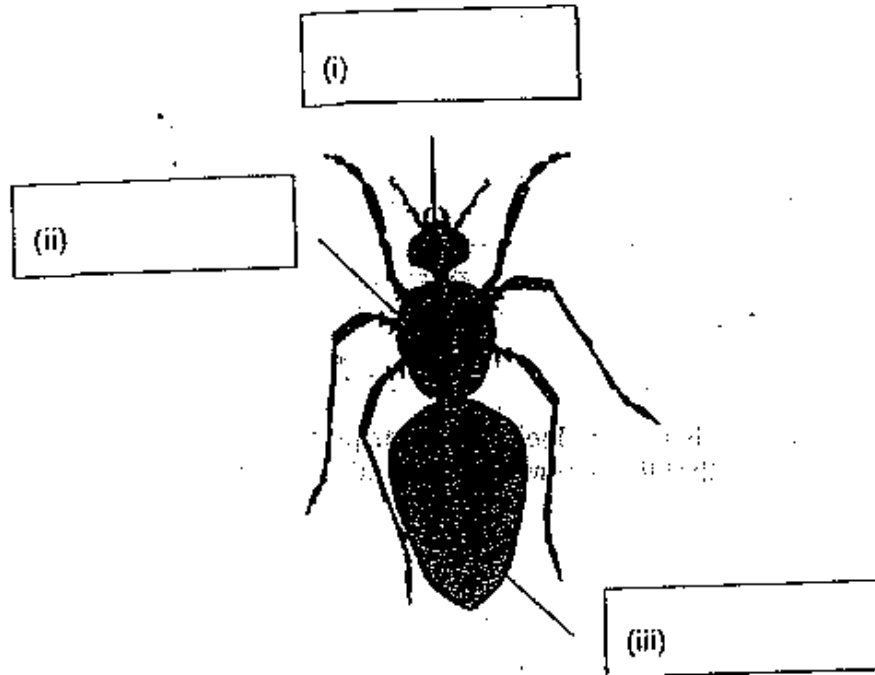
(a) Mark -X in the Venn diagram to show where a chicken should be placed. [1]

(b) Based on the Venn diagram, describe the characteristics of a chicken.

\_\_\_\_\_ [1]

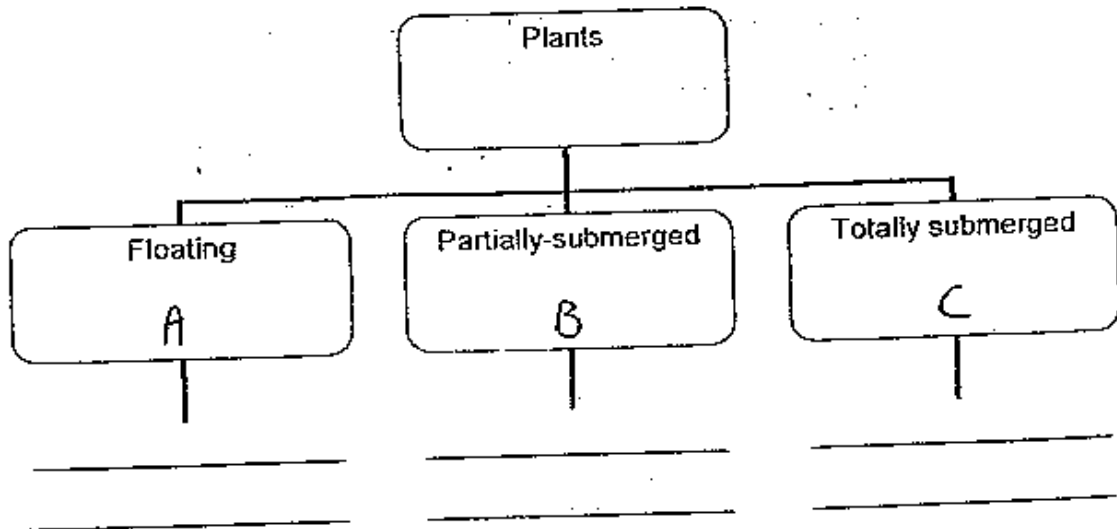


36. Look at the diagram of the insect carefully and name its 3 body parts. [2]

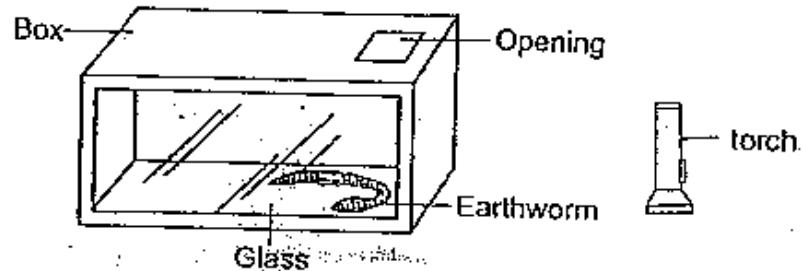


37. Fill in the blanks with the following helping words. [2]

Water hyacinth    Hydrilla    Cattail    Duckweed



38. During a Science lesson, Maryann was given a box containing an earthworm and a torch as shown below. She conducted the experiment in a dark room.



- (a) Using the objects she was provided, what should she do to show that the earthworm responds to changes around it?

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[1]

- (b) What would Maryann observe about the earthworm if it responds to what she has done?

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[1]

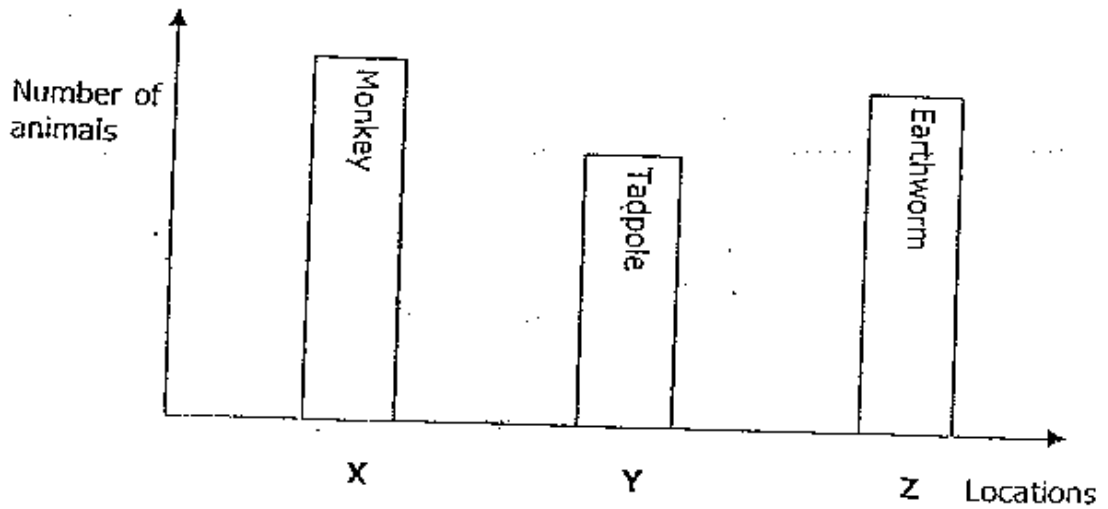
39. Ali wanted to buy a pair of spectacles with glass lenses. However, his mother told him to get one with plastic lenses instead. State 2 properties of plastic that makes it a better material to make the lenses.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

[2]

40. The graph below shows the number of different animals in three different places.



- (a) State a suitable set of locations for X, Y and Z.

X: \_\_\_\_\_  
Y: \_\_\_\_\_  
Z: \_\_\_\_\_

[1½]

- (b) Which of these locations are ants likely to be found?

\_\_\_\_\_ [½]

**END OF PAPER**

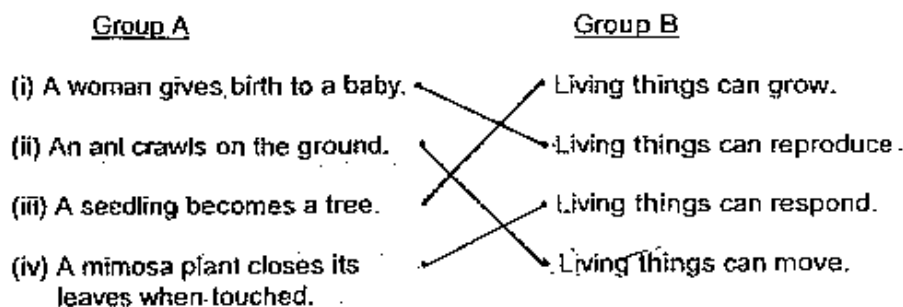
**Have you checked your answers thoroughly?**

**Answer Sheets**  
**Maha Bodhi Pri 3 SAI / 2006 Science**

- |       |       |       |       |       |
|-------|-------|-------|-------|-------|
| 1) 4  | 2) 2  | 3) 3  | 4) 3  | 5) 3  |
| 6) 3  | 7) 4  | 8) 4  | 9) 2  | 10) 3 |
| 11) 2 | 12) 2 | 13) 2 | 14) 1 | 15) 4 |
| 16) 1 | 17) 1 | 18) 4 | 19) 4 | 20) 4 |
| 21) 3 | 22) 1 | 23) 3 | 24) 2 | 25) 3 |
| 26) 2 | 27) 1 | 28) 3 | 29) 3 | 30) 4 |

- Q31a. Tree  
b. Stone  
c. Wooden bench and dead leaves.

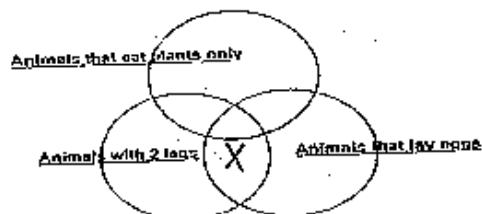
Q32



- Q33a. Both have shells on their bodies to protect themselves.  
b. Animal A can stand on land for long period but Animal B cannot.

- Q34a. I am a Whale  
b. Mammals.

Q35a.



- b. Chicken has 2 legs and lay eggs

- Q36 (i) Head  
(ii) Thorax  
(iii) Abdomen

- Q37. (A) Duckweed, water hyacinth  
(B) Cattail  
(C) Hydrilla

- Q38a. She should a torch shine at into the opening.  
b. The earthworm will move away from the light.

- Q39 (i) Strong, not easily broken  
(ii) Flexible

- Q40a. X : Trees  
Y : Pond  
Z : Leaf litter  
b. Leaf litter.