



MAHA BODHI SCHOOL  
2006 CONTINUAL ASSESSMENT 2  
PRIMARY 3 SCIENCE

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

Date : <sup>22</sup>~~24~~ Aug 2006

Class : Pr 3 ( \_\_\_\_\_ )

Duration : 1 h 15 min ( Parts I & II )

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Part I: ( 40 marks )

For each question from 1 to 20, 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. Paper can be used to make \_\_\_\_\_.

- (A) pails
- (B) cups
- (C) envelopes
- (D) hammer

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

2. Which one of the following objects is made of one material only?

(1)



(2)



(3)



(4)



3. The diagram below shows a rubber tree.



Which one of the following is made from the liquid collected from the tree?

(1)



Pen

(2)



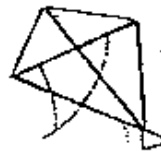
elastic band

(3)



Bowl

(4)

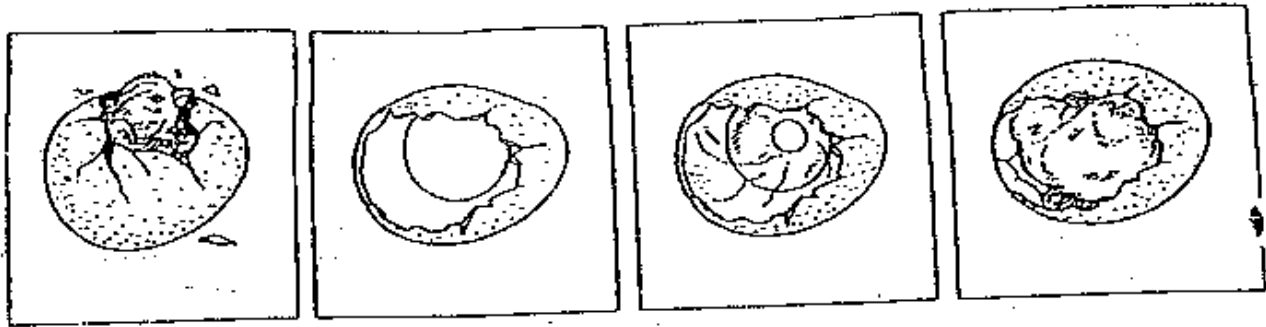


kite

4. Which pair of insects has the same number of stages in their life cycles?

- (1) Butterfly and beetle
- (2) Grasshopper and butterfly
- (3) Cockroach and beetle
- (4) Cockroach and butterfly

5. The diagrams below show the different stages of growth of a fertilised hen egg.



A

B

C

D

Which one of the following sequence shows the stages in the correct order?

First stage

Last stage

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

6. Which one of the following shows the correct order of growth of a bean plant?

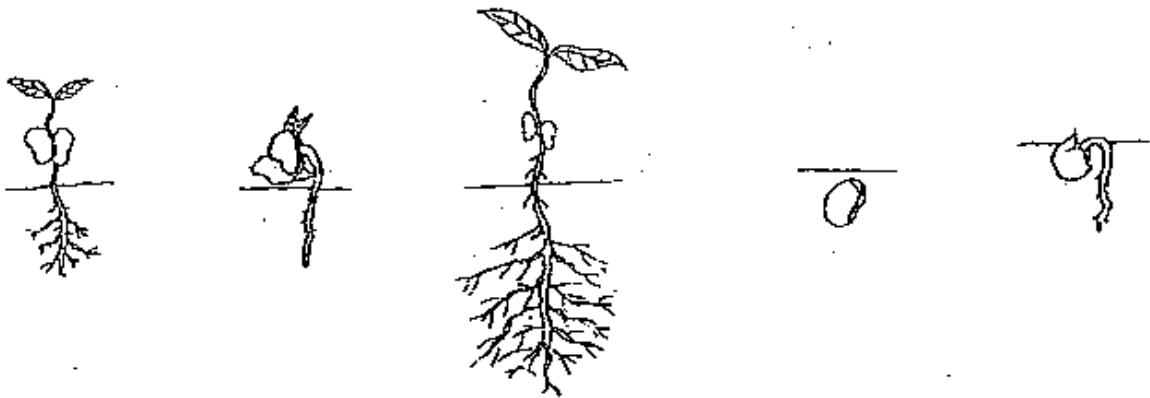
A

B

C

D

E



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

7. Which part of the fruit develops into a new plant?

- (1) Skin
- (2) Seed
- (3) Flesh
- (4) Stalk

8. Read the 4 sentences below.

- A. The five senses gather information <sup>from</sup> ~~form~~ the surroundings.
- B. The nerves carry the information.
- C. The brain decides which part of the body the information should be sent to.
- D. That part of the body then responds.

Which one of the lists below shows correctly how your brain helps you to understand what is going on and what you must do?

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

9. A system is made up of parts that work together to carry out a certain job. Which one of the following objects is NOT a system?

- (1) Pen
- (2) Watch
- (3) Rubber hose
- (4) Clothes peg

10. Although Sam was bathing in the bathroom, he knew that his sisters were having a quarrel in the living room. Which sense organ did he use?

- (1) Ears
- (2) Eyes
- (3) Nose
- (4) Tongue

11. Mr Lee is deaf and dumb. He is able to use \_\_\_\_\_ of his senses.

- (1) one
- (2) two
- (3) three
- (4) four

12. David has a cold. He finds that his food does not taste as good as before. Which two senses have been affected by his cold?

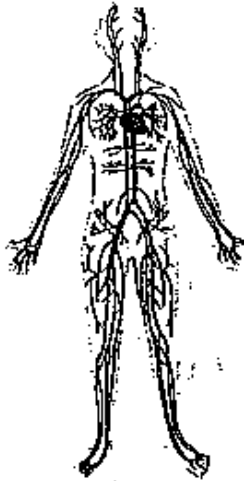
- (1) Sight and taste
- (2) Smell and taste
- (3) Smell and touch
- (4) Smell and hearing

13. Sally is drinking a glass of chocolate milk. She says that it is warm and sweet. Which sense(s) tell her that?

- (A) Sense of taste
- (B) Sense of touch
- (C) Sense of smell

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

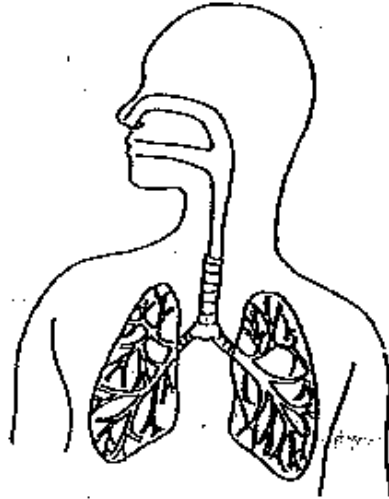
14. Study the diagram below.



The system above is the \_\_\_\_\_ system.

- (1) digestive
- (2) skeletal
- (3) respiratory
- (4) circulatory

15. The function of the system below is to \_\_\_\_\_



- (1) store the air we breathe in
- (2) break down food into simple substances
- (3) take in oxygen and give out carbon dioxide
- (4) carry food, water and oxygen to all part of the body

16. The main function of the digestive system is to \_\_\_\_\_

- (1) break down and absorb food
- (2) support the body and give it shape
- (3) carry food and water to all body parts
- (4) take in oxygen and give out carbon dioxide

17.



A

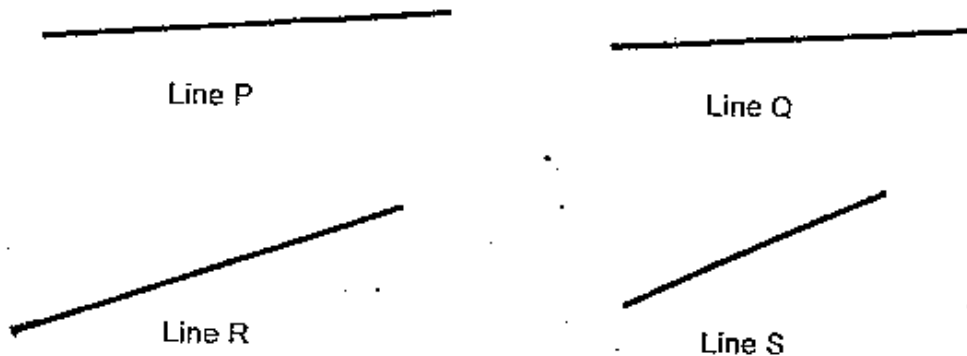


B

Study the diagram above. Based on what you can see, both animals A and B \_\_\_\_\_

- (1) can fly
- (2) spread diseases
- (3) have six legs each
- (4) live in the same place

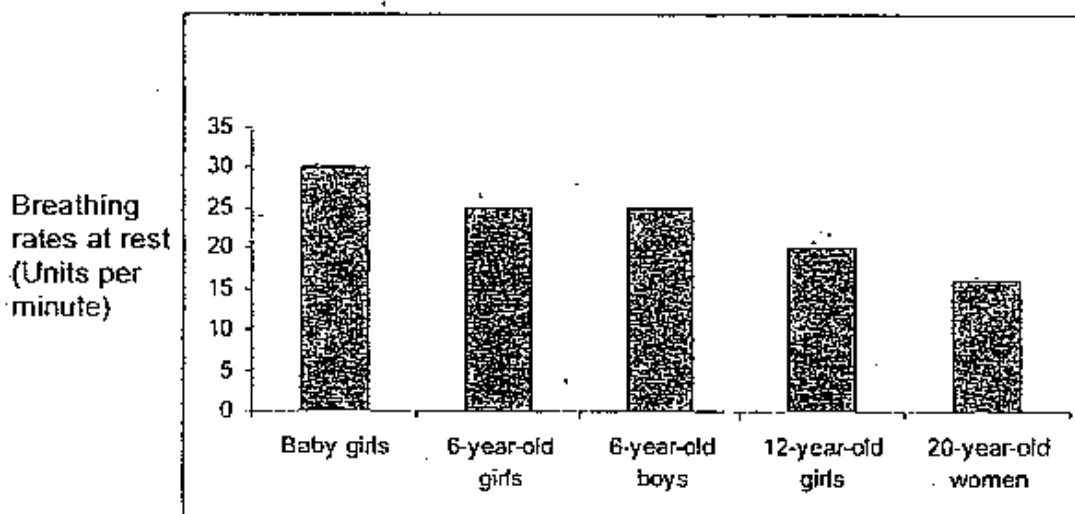
18. Measure the length of the lines below using your ruler.



Which one of the following statements is true of the lines above?

- (1) Line P and Line R are 5.8 cm long.
- (2) Line Q is longer than line S by 1 cm.
- (3) Line P and Line Q are of the same length.
- (4) Line P is the longest at 5.9 cm long.

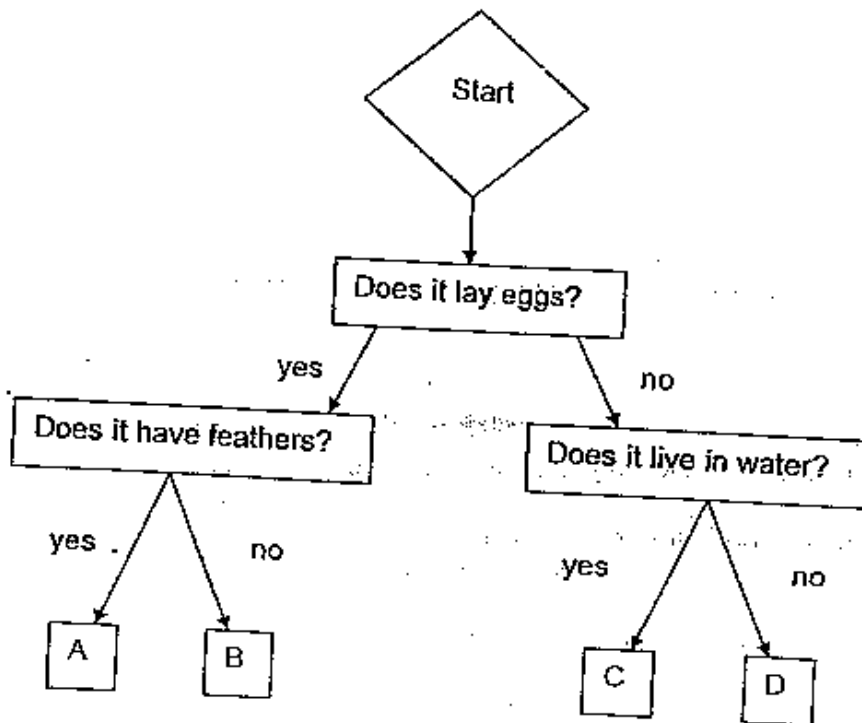
19. The bar graph below shows the breathing rates of people when they are resting.



The graph shows that \_\_\_\_\_

- (1) girls breathe faster than boys
- (2) boys breathe faster than girls
- (3) older people breathe faster than the younger people
- (4) younger people breathe faster than older people.

20. Study the binary key below.



In which one of the following boxes would you place "elephant"?

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

End of Part I





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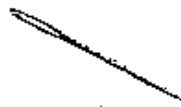
Parent's Signature : \_\_\_\_\_

Part I ( 40 marks )	
Part II ( 40 marks )	
Practical Paper (10 marks)	
Junior Scientist Card (10 marks)	
CA2 ( 100 marks )	

**Part II: ( 40 marks )**

Write your answers to questions 21 to 30 in this script.

21. Write down the material used to make each of the objects below. [4]

- |       | <u>Object</u>   | <u>Material</u> |
|-------|---|-----------------|
| (i)   | <br>Eraser       | _____           |
| (ii)  | <br>Newspaper    | _____           |
| (iii) | <br>Handkerchief | _____           |
| (iv)  | <br>Needle       | _____           |

22. Material Y has the following properties:

- Soft and light
- Can be dyed
- Not waterproof
- Can be sewn

(a) What could Material Y be?

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[1]

(b) Why is material Y not suitable for making into <sup>an</sup> umbrella?

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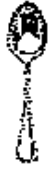
[2]

(c) List one use of material Y.

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[1]

23. Study the diagrams of the things below.



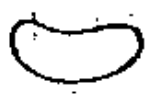
Spoon



dress



handkerchief



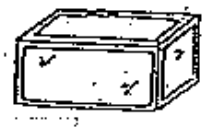
rubber band



ruler



paper clip

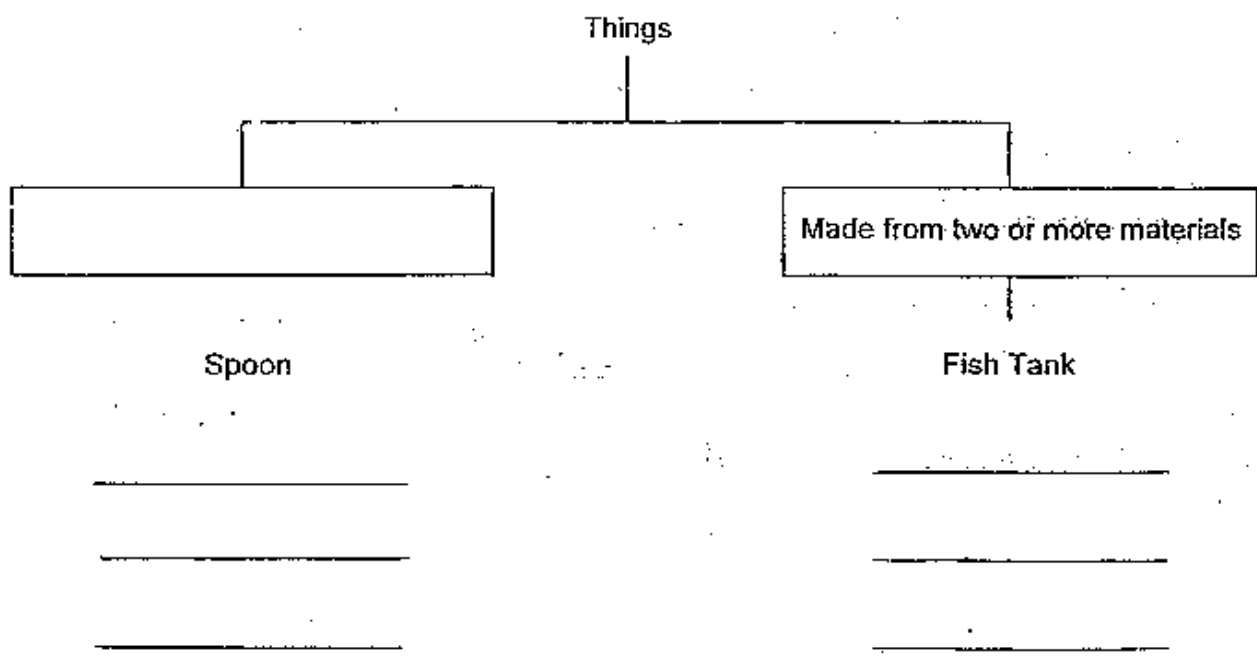


fish tank

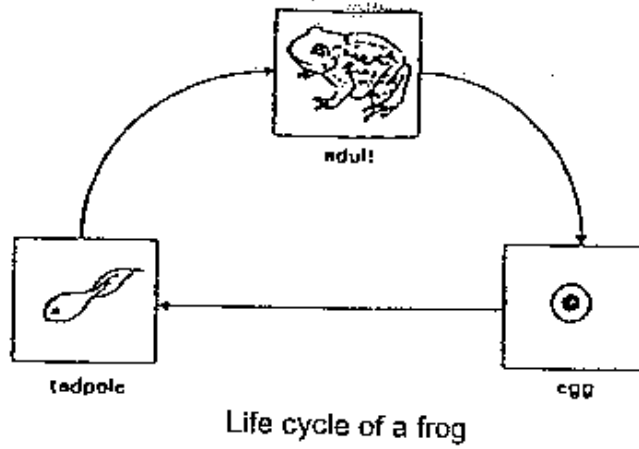
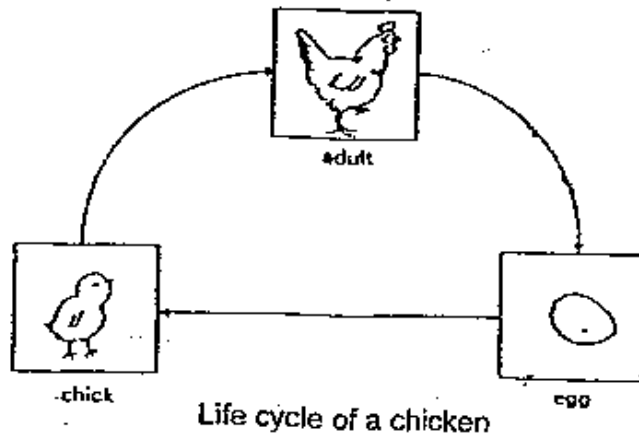


balloon

- (i) Complete the following classification table with a suitable heading. [1]
- (ii) Classify the objects above into 2 groups. [3]



24. Study the life cycles of the two animals shown below.



Based on the diagram above,

(a) Give one similarity between the two life cycles.

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[2]

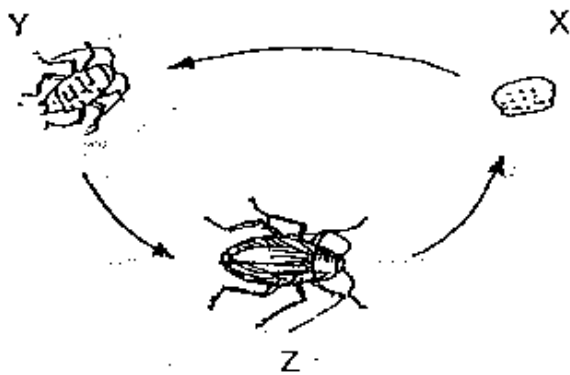
(b) Give one difference between the two life cycles.

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[2]

25. The diagram below shows the life cycle of a cockroach.



(a) Which group of animals does the cockroach belong to?

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

(b) Explain your answer in (a). Which characteristic is clearly seen from the diagram?

\_\_\_\_\_  
\_\_\_\_\_ [2]

(c) At Stage Y, what is the cockroach known as?

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

26. The diagram below show the Tan family.



Mr Tan



Mrs Tan



Tan Li Li

The statements below describe the Tan family.

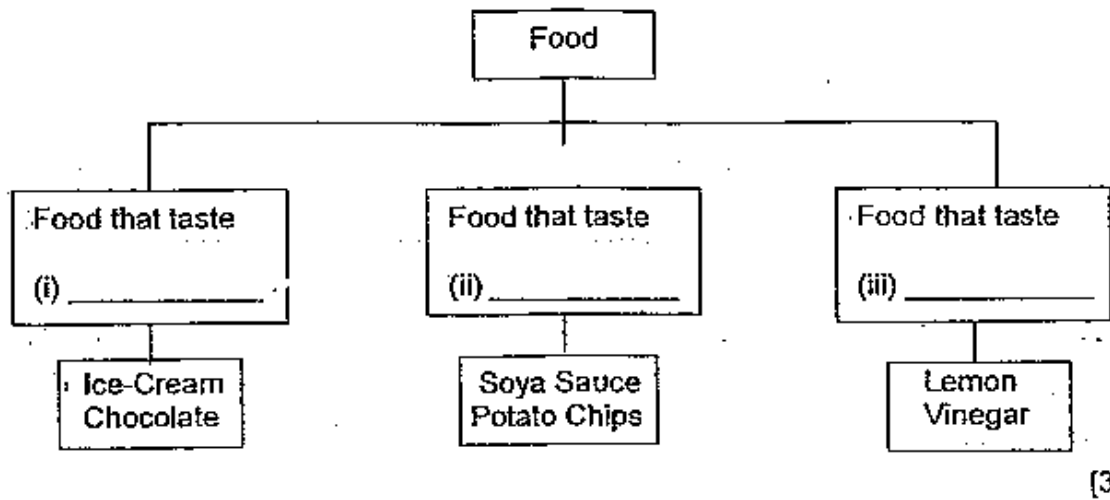
Put an 'F' in the brackets if the statement is false and a 'T' in the brackets if the statement is true.

- (i) Mrs Tan inherits Mr Tan's ears. ( )
- (ii) Mrs Tan passes down her hair length to Li Li. ( )
- (iii) Mr Tan passes down the shape of his eyes to Li Li. ( )
- (iv) Li Li inherits the shape of her mother's face. ( )

[4]

27. Study the classification table below.

(a) Fill in the blanks (i), (ii) and (iii) with suitable answers.



(b) Which sense organ is used to find out the taste of the above food?

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

28. Benny was blindfolded and told to identify Object X. He touched it and lifted it. Then he said, "It is dry, smooth and light."

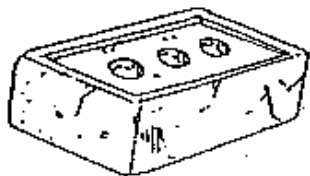
(a) From the objects given below, circle the one that is most probably Object X. [1]



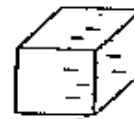
rock



glass marble



brick

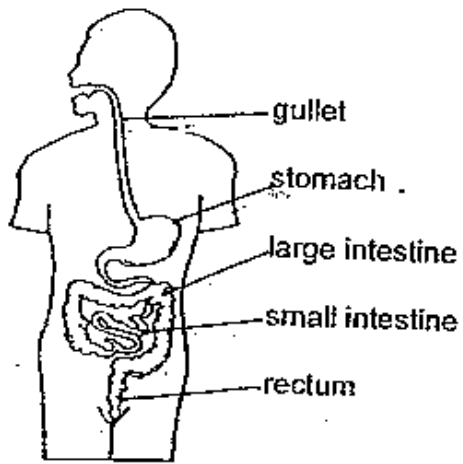


ice cube

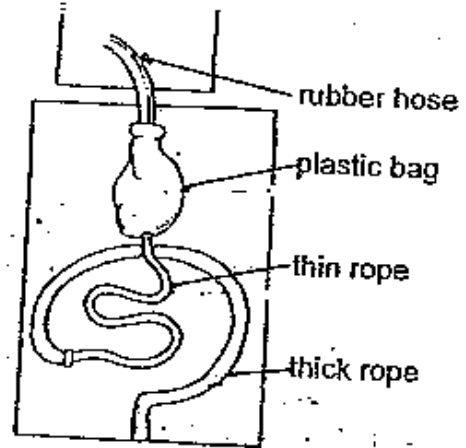
(b) Which sense helps him to identify Object X?

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

29. Joel used some scrap materials to make a model of the human digestive diagram.



The Digestive System



Model

- (a) Compare the two diagrams. Write down the part of the digestive system each of the following scrap materials stand for. [3]

<p>Example: rubber hose</p> <p>(i) Plastic bag</p> <p>(ii) Thin rope</p> <p>(iii) Thick rope</p>	<p>Gullet</p> <p>_____</p> <p>_____</p> <p>_____</p>
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- (b) In which part of the digestive system is digestion completed?

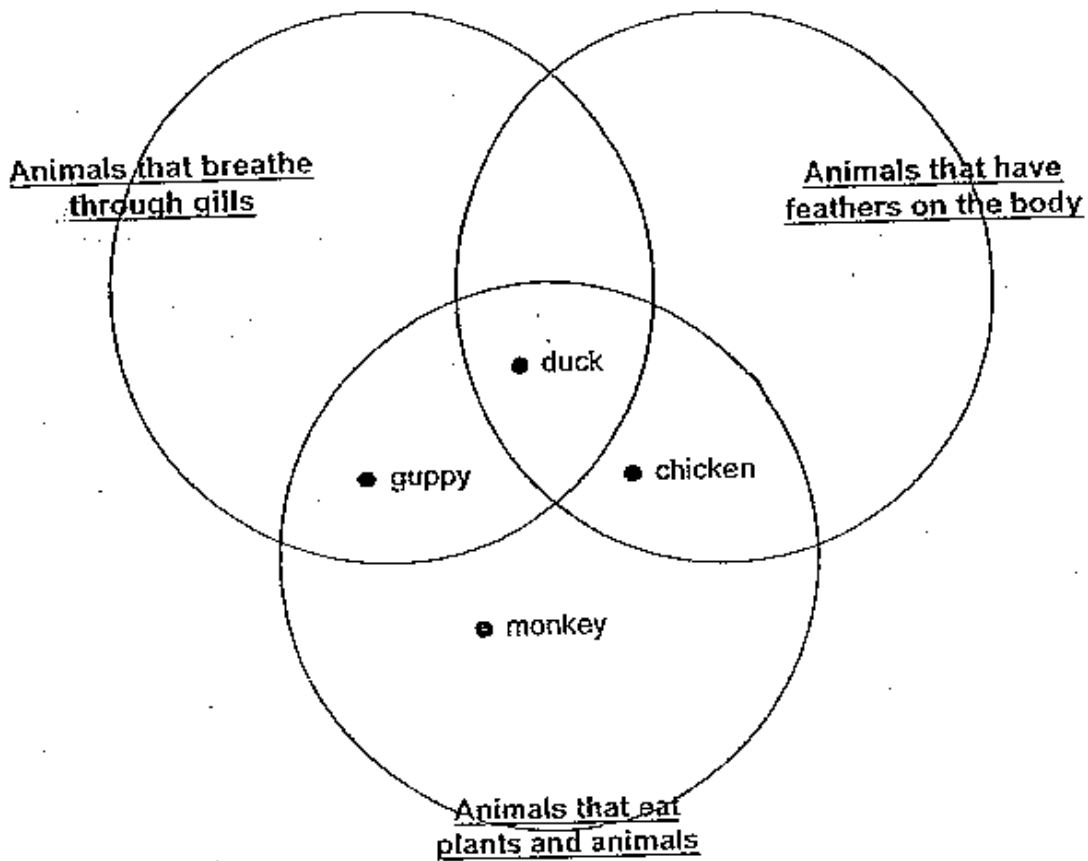
\_\_\_\_\_ [1]

- (c) What is the function of the large intestine?

\_\_\_\_\_ [2]



30. Study the Venn diagram below carefully and answer the questions that follow.



(a) Which one of the animals is put in the wrong place?

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

(b) Give a reason for your answer to (a) above.

\_\_\_\_\_  
\_\_\_\_\_ [2]

(c) Where should the animal in (a) be placed? Draw <sup>a dot (.)</sup> and write the name of the animal in the Venn Diagram above.

END OF PAPER

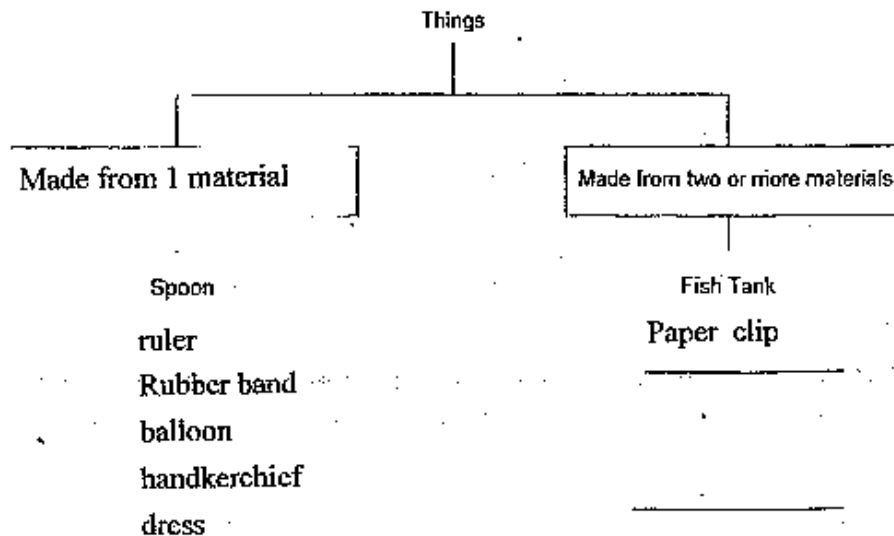
**Answer Sheets**  
**Maha Bodhi Pri 3 CA2 / 2006 Science**

- |       |       |       |       |       |
|-------|-------|-------|-------|-------|
| 1) 3  | 2) 3  | 3) 2  | 4) 1  | 5) 2  |
| 6) 4  | 7) 2  | 8) 1  | 9) 3  | 10) 1 |
| 11) 4 | 12) 2 | 13) 2 | 14) 4 | 15) 3 |
| 16) 1 | 17) 3 | 18) 2 | 19) 4 | 20) 4 |

- Q21 (i) Rubber  
(ii) Paper  
(iii) Cloth  
(iv) metal

- Q22a. Cloth  
b. It is not waterproof  
c. Clothes

Q23



- Q24a. Both have 3 stages of life cycle.  
b. The adult chicken is a bird while the frog is a reptile.

- Q25a. The cockroach belong to an insect group.  
 b. It has six legs.  
 c. It known as nymph

- Q26(i) False  
 False  
 True  
 True

- Q27a (i) Sweet  
 (ii) Salty  
 (iii) Sour  
 27b, Tongue

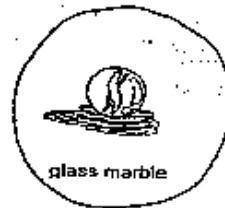
Q28a.



rock



brick



glass marble



ice cube

- b. Sense of touch

- Q29a (i) Plastic Bag : Stomach  
 (ii) Thin rope : Small intestine  
 (iii) Thick rope : Large intestine

- b. Small intestine

- c. Water is removed from the undigested food in the large intestine, and the undigested food becomes solid waste.

- Q30a. Duck  
 b. Duck do not breathe through gills