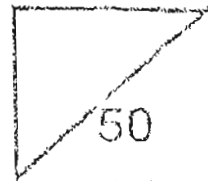




CA2

Rosyth School  
Second Continual Assessment for 2004  
SCIENCE  
Primary 3

Total  
Marks:



Name: \_\_\_\_\_

Class: Pr 3 \_\_\_\_\_ Register No. \_\_\_\_\_ Duration: 1 h

Date: 26.8.2004

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

Instructions to Pupils:

1. Do not open the booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 2 sections, A and B.
4. For questions 1 to 15 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS) provided using a 2B pencil.
5. For questions 16 to 23, give your answers in the spaces given in Section B.

	Maximum	Marks Obtained
Section A	30 marks	
Section B	20 marks	
Total	50 marks	

\* This booklet consists of 10 pages.

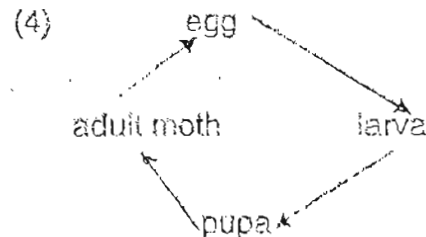
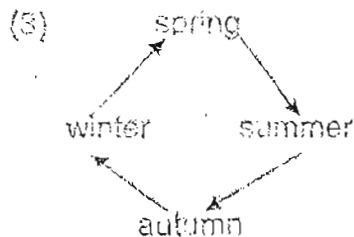
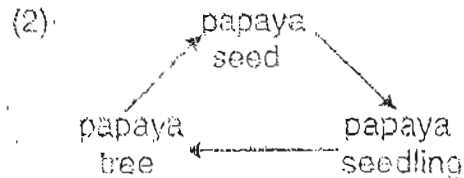
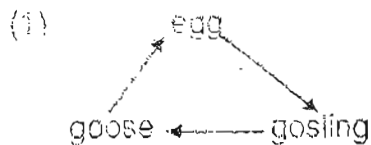
Section A (30 marks)

For each question from 1 to 15, 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.

1 Which one of the following is not a cycle?

- (1) Day and night
- (2) Change in season
- (3) Change in weight of a person
- (4) Movements of the moon around the earth

2 Look at the diagrams below.  
Which one of the following is NOT a life cycle?



3 Which one of the following features makes a person uniquely different from another person?

- (1) Colour of the eyes
- (2) Fingerprints
- (3) Height
- (4) Weight

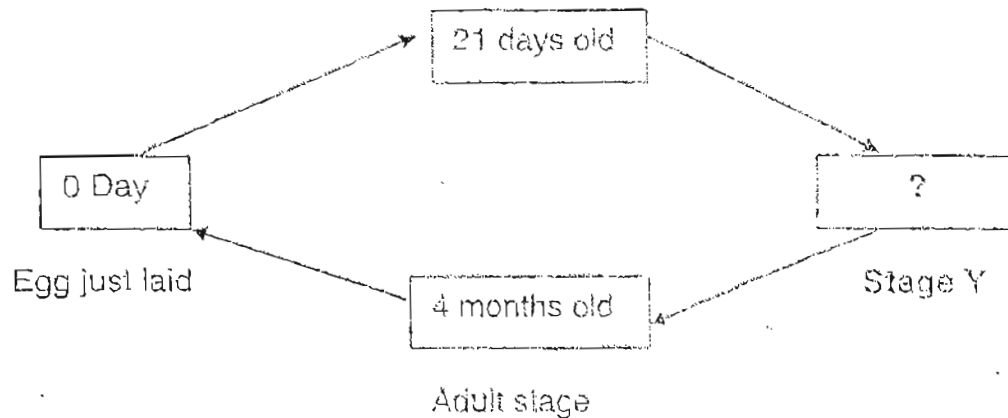
( Go on to the next page)

- 4 Which of the following statements give the correct difference between a nymph and an adult cockroach?

A : The nymph has no wings but the adult has.  
 B : The nymph lives in water but the adult lives on land  
 C : The nymph moults a few times but the adult does not  
 D : The nymph is light brown in colour while the adult is dark brown in colour

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

- 5 The diagram below shows part of the life cycle of an animal. Each box represents a stage. The age of the animal at that stage is shown in the box.

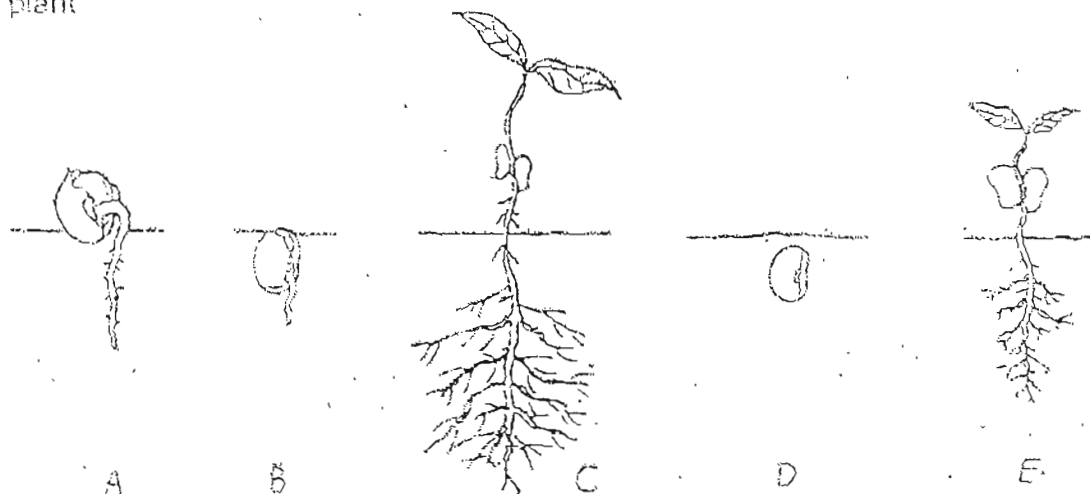


Predict the age of the animal at stage Y.

- (1) 11 days  
 (2) 56 days  
 (3) 2 weeks  
 (4) 20 weeks
- 6 How is a seedling different from an adult plant?
- (1) The adult plant has roots but the seedling does not.  
 (2) The adult plant has stem but the seedling does not.  
 (3) The adult plant needs air but the seedling does not.  
 (4) The adult plant has flowers but the seedling does not.

( Go on to the next page)

- 7 The drawings below show the stages of growth in the life cycle of a bean plant



Which is the correct order of growth?

- (1) A → C → B → D → E  
 (2) B → D → A → C → E  
 (3) D → A → E → C → B  
 (4) D → B → A → E → C
- 8 During germination, the shoot appears \_\_\_\_\_  
 after
- (1) before the root grows  
 (2) together with the root  
 (3) after the first leaves appear  
 (4) together with the first leaves
- 9 Which one of the children made the correct statement?
- (1) Ali : My thumbprint is the same as my friend's.  
 (2) Bee Eng : Everybody can roll his/her tongue if he/she practises hard enough.  
 (3) Christopher : The young of living things will grow up to become adults that resemble their parents.  
 (4) Manisha : A son inherits his features only from his father while a daughter inherits her features only from her mother.
- 10 Which one of the following statements is not true?
- (1) The human body is a system.  
 (2) Each part of a system has a function.  
 (3) A system can still work even if some parts are not working.  
 (4) Each part of a system does a job that is different from the rest.

( Go on to the next page)

11 Which one of the following is not an example of a system?

- (1) Balsam plant
- (2) Computer
- (3) Hippopotamus
- (4) Paper

12 Look at the chart below.

Group S	Group T
clothes peg	car
rubber band	durian tree
stapler	girl
thread	table

Which objects have been wrongly grouped?

- (1) Car and durian tree
- (2) Clothes peg and stapler
- (3) Girl and table
- (4) Rubber band and thread

13 Devi went to the garden and picked some plants to decorate her bottle garden. Which senses did she use to select the plants?

- (1) Hearing and sight
- (2) Sight and smell
- (3) Smell and touch
- (4) Taste and touch

14 When Chris smelt the freshly-baked pizza, he took a piece from the table and ate it. Which one of the following shows the correct sequence of messages being sent to the sense organs for his actions to take place?

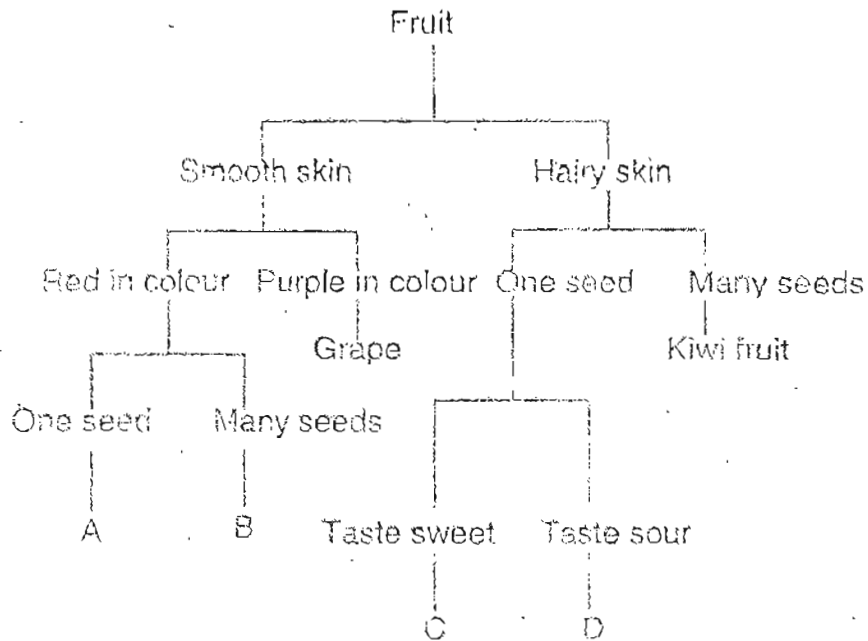
- (1) nose → hand → mouth → brain
- (2) eye → brain → hand → mouth → brain
- (3) nose → brain → hand → brain → mouth
- (4) nose → brain → eye → brain → hand → brain → mouth

( Go on to the next page)

15 Study the description of a fruit given in the table below:

I have a hairy skin.  
 I am red in colour.  
 I taste sweet.  
 I have only one seed.

Which one of the letters in the classification chart below represents the fruit that is being described?



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

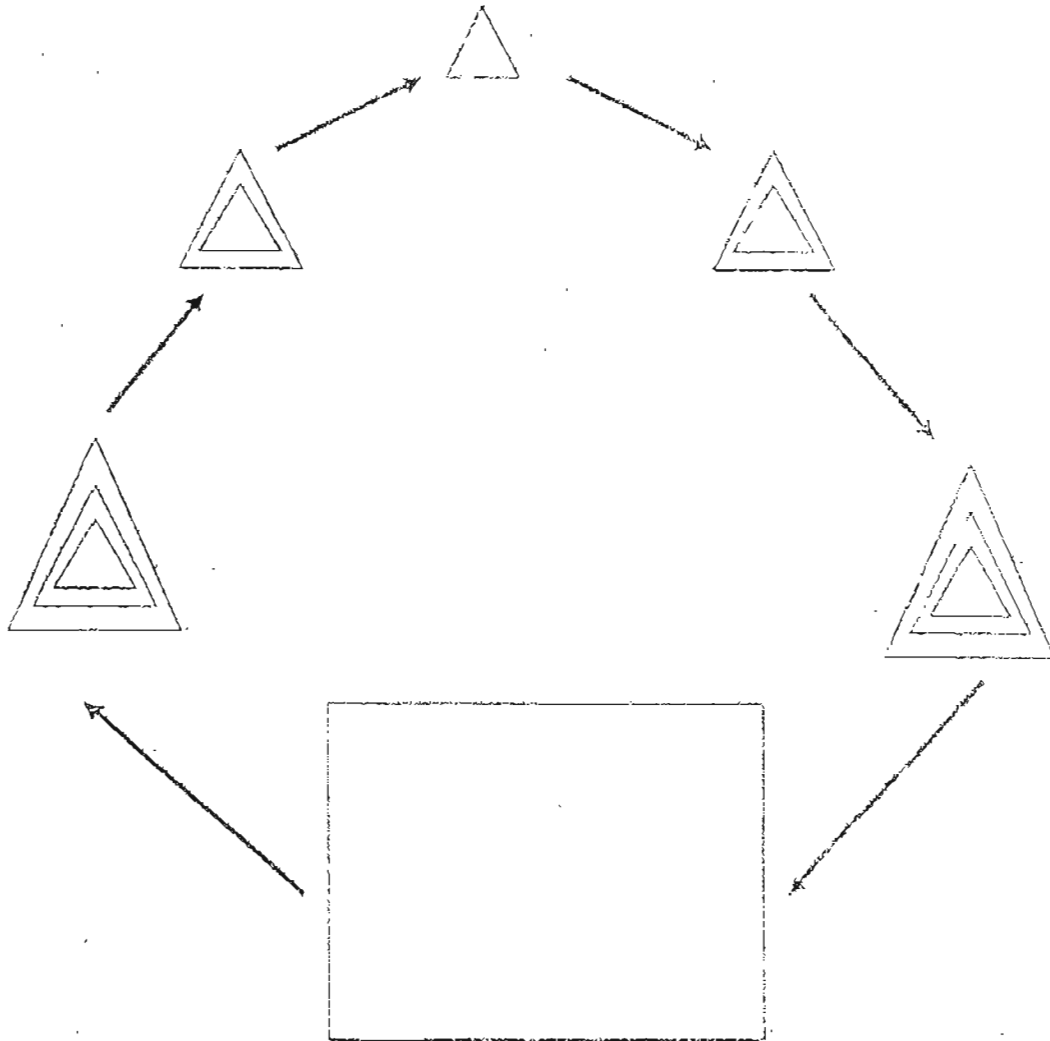
End of Section A

( Go on to the next page)

Section B ( 20 Marks)

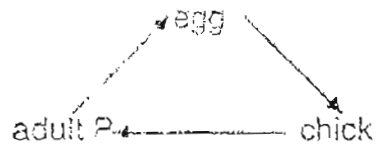
For questions 16 to 23, write your answers in this booklet.

- 16 Complete the cycle shown below by drawing the correct figure in the box provided. (2 m)

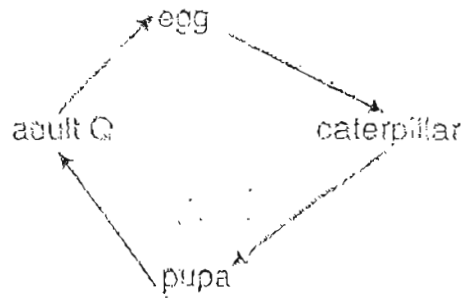


( Go on to the next page)

17 The diagram below shows the life cycles of two animals. Look at the life cycles shown below and answer the questions.



Life Cycle E



Life Cycle F

(a) Identify adult P and adult Q in the above life cycles. (1 m)

Adult P : \_\_\_\_\_

Adult Q : \_\_\_\_\_

(b) In what way is the life cycle of E different from that of F? (1 m)

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(c) At which stage of Life Cycle F is the animal considered as harmful by farmers? Explain why this animal at this stage is harmful. (2 m)

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( Go on to the next page)



18 Four seeds are grown under different conditions as shown in the table below.

Seed	Conditions			
I	fertilizer	air	warmth	no water
J	fertilizer	air	no warmth	water
K	fertilizer	no air	warmth	water
L	no fertilizer	air	warmth	water

(a) Which seed (I, J, K or L) is not likely to die but will grow well? (1 m)

\_\_\_\_\_

(b) Explain why the seed mentioned in (a) is not likely to die but will grow well. (1 m)

\_\_\_\_\_  
\_\_\_\_\_

(c) In which direction does the shoot of a plant always grow towards? (1 m)

\_\_\_\_\_

19 For each of the following statements, decide whether the statement is 'True' or 'False'. Write 'True' or 'False' in the bracket for each statement. (2 m)

(a) Living things always reproduce their own kind. ( )

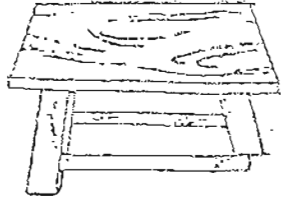
(b) Our sense organs usually work together so that we can know what is happening around us. ( )

(c) When the adult butterfly has fully developed, it will emerge from the larva. ( )

(d) Many characteristics can be passed on from a parent to the child. ( )

(Go on to the next page)

- 20 Look at the picture of the stool.



- (a) State what is missing from the stool. (1 m)

- (b) Give a reason why the above system cannot work. (1 m)

- 21 Harry and his friends were at a birthday party which was held at McDonald's. The following are some statements made by some of his friends.

Daisy : It is very cold. Could the temperature be a bit higher?

Harry : The hamburger is delicious!

Ivy : Siew Luan is not here yet. Will she be coming?

Zaiton : The fish burger smells great!

In the table below, identify the sense organs used by the four children. (2 m)

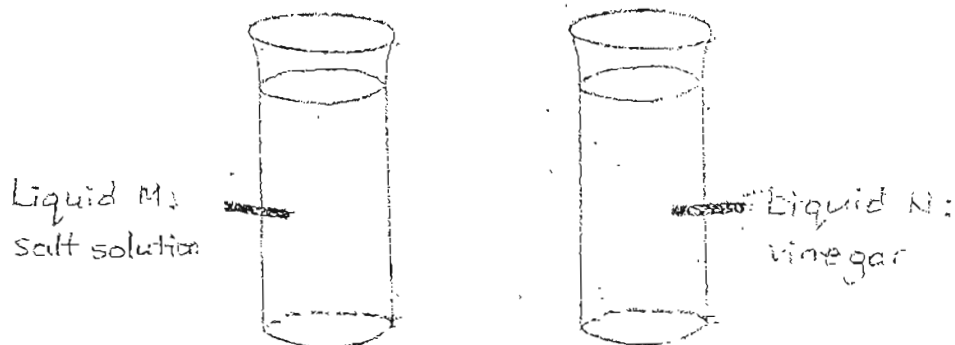
	Names	Sense Organs
(a)	Daisy	
(b)	Harry	
(c)	Ivy	
(d)	Zaiton	

- 22 The table below shows how food items can be grouped according to their taste. Write down the appropriate taste for each group of food items. (2 m)

Taste			
(a)	(b)	(c)	(d)
sweets	ham	bittergourd	lime juice
cakes	soya sauce	coffee powder	vinegar

( Go on to the next page)

- 23 May wanted to find out which container below was filled with salt solution and which one was filled with vinegar. She observed that both liquids looked and felt the same.



- (a) Name two sense organs which May can use to tell them apart. (1 m)

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- (b) Describe how you could use the two senses in (a) to tell the liquids apart. (2 m)

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End of Section B

CA

ROSYTH SCHOOL  
SECOND CONTINUAL ASSESSMENT FOR 2004  
SCIENCE  
PRIMARY 3

- 1) 3
- 2) 3
- 3) 2
- 4) 2
- 5) 2
- 6) 4
- 7) 4
- 8) 1
- 9) 3
- 10) 3
- 11) 4
- 12) 4
- 13) 2
- 14) 4
- 15) 3
- 16)  16)
- 17) a) chicken  
butterfly  
b) Life cycle E has 3 stages but life cycle F has 4 stages.  
c) Caterpillar. It can eat the plants that had been grown from the farmers.
- 18) a) L  
b) Seed L has air, warmth and water for it to grow.  
c) It grows towards the sun.
- 19) a) True  
b) True  
c) False  
d) True
- 20) a) It has 1 leg missing.  
b) The above system is unstable as it is short of one leg to support.
- 21) a) skin  
b) tongue  
c) eyes  
d) nose
- 22) a) sweet b) salty c) bitter d) sour
- 23) a) Tongue and nose  
b) The tongue can taste the liquid. If it is sour, the liquid is vinegar. If it is salty, the liquid is the salt solution. The nose smells the liquid. If it has no smell, the liquid is the salt solution. If the liquid has a sour smell, it is vinegar.