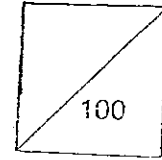




HENRY PARK PRIMARY SCHOOL
2008 SEMESTRAL EXAMINATION I
SCIENCE
PRIMARY 3

Duration of Paper: 1 h 45 min



Name: _____)

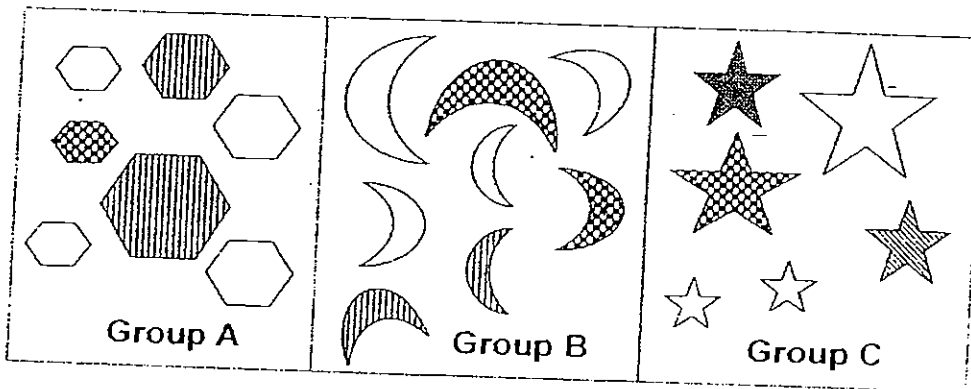
Parent's Signature _____

Class: Pr 3 _____

PART 1 (60 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.

1. Study the groups below.



The objects are classified into the three groups because of their _____

- (1) sizes
- (2) shapes
- (3) numbers
- (4) patterns

()

2. Which of the following objects came from something that was once alive?

- A: Glass bottle
- B: Tissue paper
- C: Metal ruler
- D: Wooden chopsticks

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

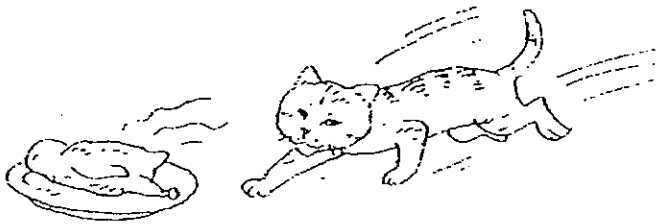
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3. The following animals are grouped according to their outer coverings. There is a mistake in one of the groupings. Which one is it?

- (1) crab, snail, prawn
- (2) duck, penguin, eagle
- (3) dolphin, guppy, lionfish
- (4) ant, grasshopper, beetle

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4. Which characteristics of the living things are displayed by the cat below?

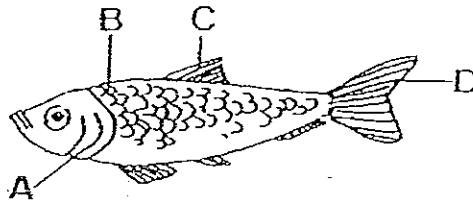


- A: Living things grow.
- B: Living things move on their own.
- C: Living things respond to changes.
- D: Living things need food to survive.

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

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5. Which part(s) of the fish below help(s) it to move in water?



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

()

6. Which of the following statements about the birds are true?

- A: All birds can fly.
- B: All birds lay eggs.
- C: All birds have beaks.
- D: All birds cannot swim.

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

()

7. Study the table shown below.

Which set of animals is wrongly placed into the group?

	Mammal	Fish	Insect
(1)	Dog	Guppy	Spider
(2)	Whale	Goldfish	Ant
(3)	Monkey	Shark	Beetle
(4)	Bat	Mudskipper	Butterfly

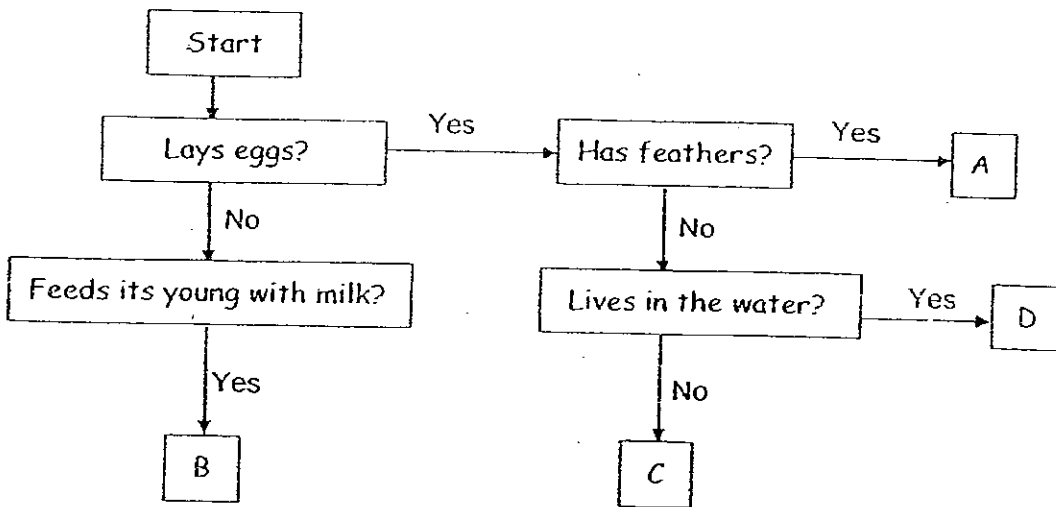
()

8. Which one of the following statements about animals is not true?

- (1) Only insects have 6 legs.
- (2) Only fishes have an outer covering of scales.
- (3) Only birds have an outer covering of feathers.
- (4) Only mammals feed their young with milk.

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9. Study the chart below. A, B, C and D are animals.

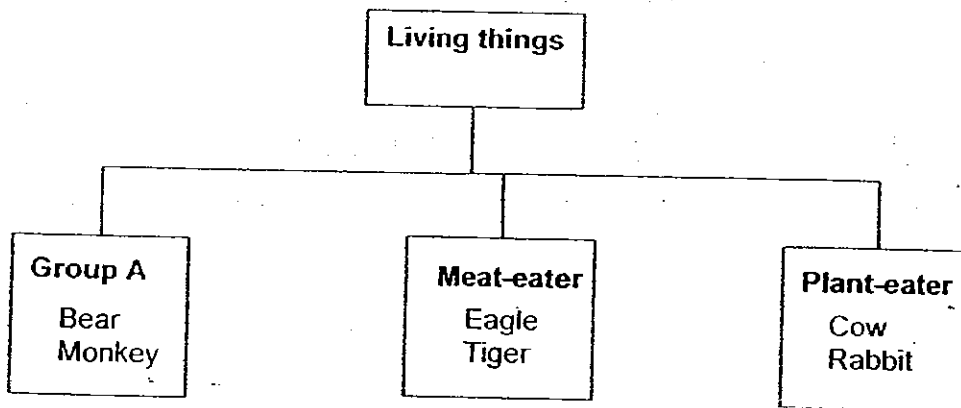


In which group would you place **butterfly**?

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

()

10. Study the classification table below.



Which one of the following animals belongs to Group A?

- (1) Lion
- (2) Chicken
- (3) Goldfish
- (4) Elephant

()

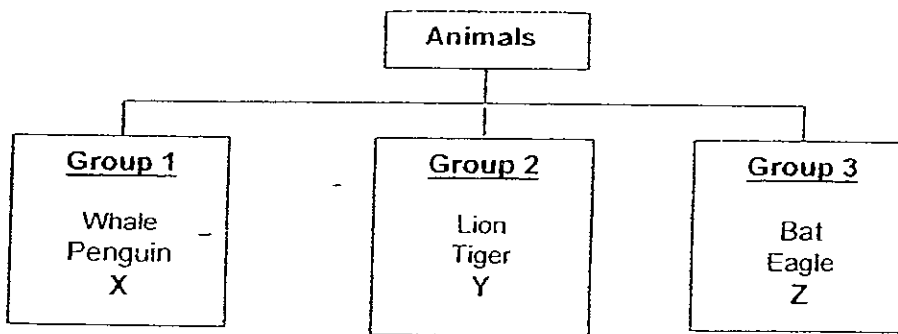
11. Which are the correct headings for the animals in A and B?

A	B
Butterfly	Dog
Platypus	Goat
Cockroach	Whale
House lizard	Rhinoceros

	A	B
(1)	Plant eaters	Animal eaters
(2)	Live on land	Live in the water
(3)	Outer covering of scales	Outer covering of hair
(4)	Lay eggs	Give birth to live young.

()

12. The animals below are classified according to how they move.



Which of the following can X, Y and Z be?

	X	Y	Z
(1)	Shark	Snake	Giraffe
(2)	Guppy	Leopard	Crow
(3)	Goldfish	Elephant	Ostrich
(4)	Cat	Dolphin	Rabbit

()

13. The table below shows the characteristics of 4 animals, A, B, C and D.
 (✓) means the animal has the characteristic and (X) means it does not.
 Which animal is most likely a housefly?

	Animal	Has wings	Reproduce by laying eggs	Live in water
(1)	A	X	✓	X
(2)	B	✓	✓	X
(3)	C	✓	✓	✓
(4)	D	X	X	✓

()

14. Some children observed the following characteristics of Plant X.

It bears fruit.
 It grows on land.
 It does not have branches.

Whose statement is correct?

Benny: It is a palm.

Carrie: It is a fern.

Danny: It is a flowering plant.

- (1) Benny only.
 (2) Carrie only.
 (3) Benny and Carrie only.
 (4) Benny and Danny only.

()

15. Which of the following sentences are correct about the usefulness of plants?

- A: They give us shade.
 B: They provide fresh air.
 C: They cause food to decay.
 D: They beautify the surrounding.

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

()

16. Which one of the following is a characteristic of plants, but not of animals?

Plants _____

- (1) need air
- (2) need water
- (3) respond to changes
- (4) can make their own food

()

17. Which of the following makes its own food?

- A: Bird's nest fern
- B: Banana plant
- C: Bread mould

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





()

18. The picture shows Plant A.



Plant A

Which one of the plants shown below has a similar shape as Plant A?


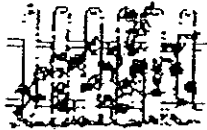



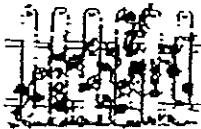






(1)	(2)	(3)	(4)
			

()

19. Read the descriptions below.

Plant X	Thick woody stems
Plant Y	Short thin stems
Plant Z	Weak stems

Which one of the following shows the correct grouping?

	Plant X	Plant Y	Plant Z
(1)			
(2)			
(3)			
(4)			

20. Which one of the following statements about leaves is correct?

- (1) All leaves are green.
- (2) All leaves have the same shape.
- (3) Leaves from the same plants have the same size.
- (4) Leaves from the same plants usually have the same shape.

()

21. Study the classification table of living things in Group X and Group Y.

Group X	Group Y
Mosquito fern	Hibiscus
Moss	Orchid
Puffball	Frangipani

Which of the following is the most suitable headings for the above classification?

	Group X	Group Y
(1)	Non-flowering plants	Flowering plants
(2)	Cannot make food	Can make food -
(3)	Reproduce from spores	Reproduce from seeds
(4)	Water Plants	Land Plants

()

22. John observed that bees in her garden are attracted to plants with brightly coloured and sweet smelling flowers.

Types of plant	Brightly coloured	Sweet smell
Rose	Yes	Yes
Sword fern	No	No
Water lily	Yes	No
Snapdragon	Yes	No

Which plant are bees attracted to?

- (1) Rose
- (2) Sword fern
- (3) Water Lily
- (4) Snapdragon

()

23. Which of the following statements correctly describe fungi?

- A: They are flowering plants.
- B: They can make their own food.
- C: They reproduce from seeds.
- D: They reproduce from spores.

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

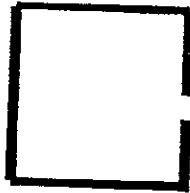
()

24. Which one of the following statements is correct about bacteria?

- (1) All bacteria are harmful to people.
- (2) Some bacteria are used to make food.
- (3) You will need a telescope to see bacteria.
- (4) Bacteria are a kind of fungi.

()

25. Aziz grew some bean plants in a pot of damp soil. He placed his plants in a black box as shown below.



Which of the following diagram correctly shows how his bean plants grow after a few days?

(1)



(2)



(3)



(4)



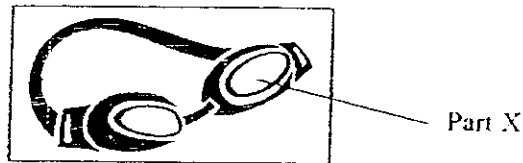
()

26. Which one of the following objects is made from a man-made material?

- (1) Plastic bag
- (2) Cotton shirt
- (3) Leather glove
- (4) Wooden table

()

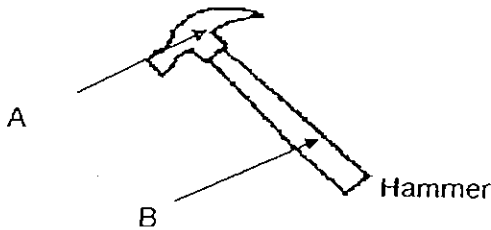
27. If you were to choose a material to make part X of the swimming goggles, which one of the following characteristics of the material would be the most important?



- (1) It is light.
- (2) It is flexible.
- (3) It is transparent.
- (4) It can float in water.

()

28. The hammer shown below is made of two materials.



The two materials are:

	A	B
(1)	plastic	wood
(2)	metal	wood
(3)	glass	wood
(4)	rubber	metal

()

29. The table below shows some characteristics of four materials.

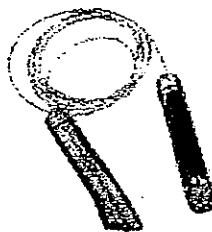
Characteristic	Material A	Material B	Material C	Material D
Waterproof	No	Yes	No	Yes
Light	Yes	Yes	Yes	No
Transparent	No	Yes	No	No
Flexible	Yes	No	Yes	No

Which material is most suitable for making a water bottle?

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

()

30. It is possible to roll up a skipping rope because the material used is _____.



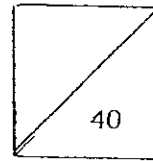
Skipping rope

- (1) light
- (2) hard
- (3) flexible
- (4) waterproof

()



HENRY PARK PRIMARY SCHOOL
2008 SEMESTRAL EXAMINATION I
SCIENCE
PRIMARY 3



Name: _____ ()

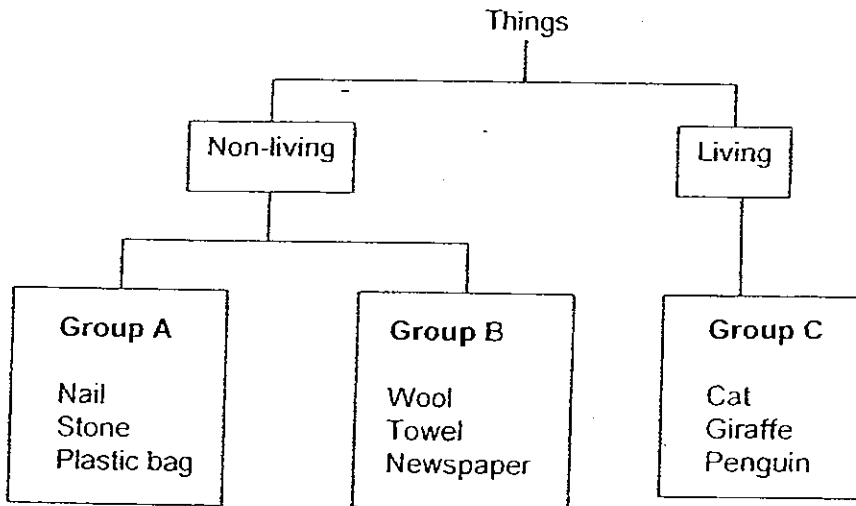
Class: Pr 3 _____

PART 2 (40 marks)

Write your answers to questions 31 to 46 in the spaces given.

31. Look at the classification table shown below.

(3m)



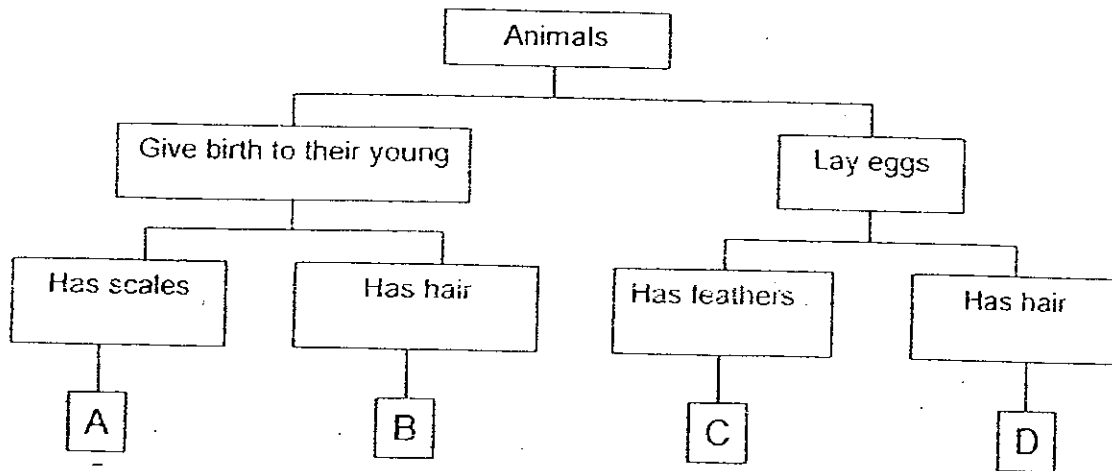
Write the most suitable headings for the 3 groups.

Group A : _____

Group B : _____

Group C : _____

32. Study the classification table carefully.



(a) (i) In which group A, B, C or D would you place a penguin? (1m)

Group : _____

(ii) In which group A, B, C or D would you place a rabbit? (1m)

Group : _____

(b) From the classification table shown above, state two characteristics of Animal D. (1m)

33. Based only on the pictures below,
State ONE similarity and ONE difference between them.
(DO NOT compare size, shape and colour)



(a) Similarity: _____ (1m)

(b) Difference: _____ (1m)

34. Dylan put some guppies and tubifex worms into an aquarium. At the end of the week, he recorded the number of guppies and tubifex worms as shown in the table below.

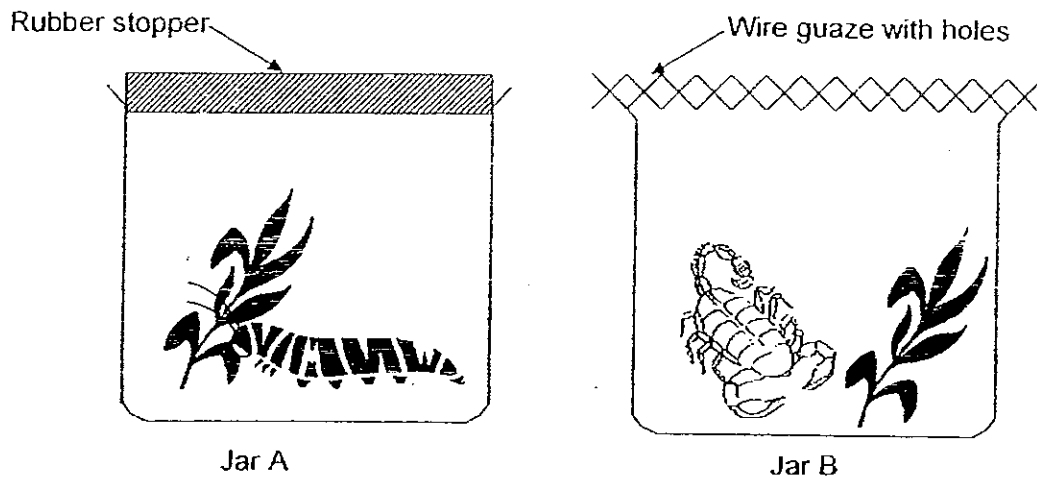
Type of	Number of animals			
	Week 1	Week 2	Week 3	Week 4
Tubifex worms	50	42	28	9
Guppies	4	5	8	11

(a) What happened to the number of tubifex worms from week 1 to week 4? (1m)

(b) Dylan did not do anything to the aquarium.
What could have caused the number of tubifex worms to change in this way? (1m)

(c) Based on the number of guppies shown in the table, state one characteristic of living things showed by the guppy. (1m)

35. Joshua placed 2 different animals in Jar A and Jar B. He placed the same type of leaves in each jar.



After 5 days, he observed the following:

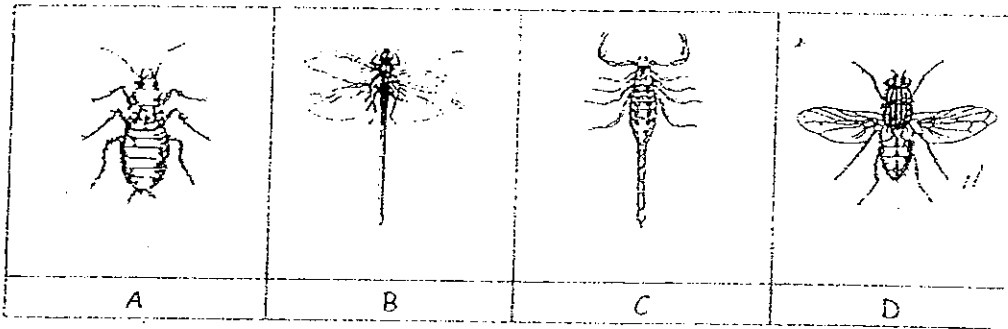
Animal in Jar A : Dead

Animal in Jar B : Dead

- (a) State the most likely reason why the animal in Jar A died. (1m)

- (b) State the most likely reason why the animal in Jar B died (1m)

36. Look at the animals shown below.



(a) Which animal A, B, C or D is not an insect? (1m)

(b) Give 2 reasons for your answer in (a). (1m)

37. The diagram below shows a bicycle.



(a) Which material is most suitable in making part Q of the bicycle? (1m)

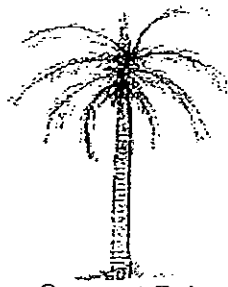
(b) State in what way the material you have stated in (a) is suitable in making Part Q. (1m)

38. Study the table below.
Give suitable headings for Group Y and Group Z.

Group Y	Group Z
Ladder tree fern	Balsam plant
Bird's nest fern	Durian tree
Moss	Ixora

- (a) Group Y: _____ (1m)
- (b) Group Z: _____ (1m)
- (c) Give an example of a living thing that you could place under Group Z. (1m)
- _____

39. Francis was walking in the Singapore Botanical Gardens on a hot afternoon. He decided to seek shelter from the hot sun.



Coconut Palm



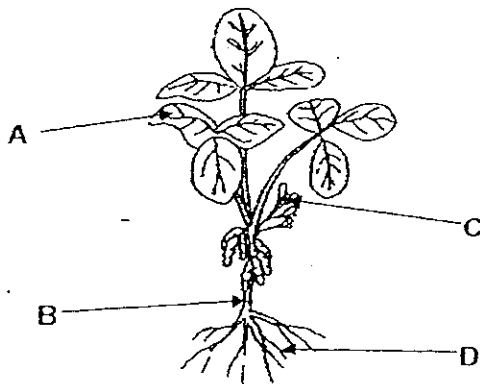
Rain tree

- (a) Which tree would provide Francis with more shade? (1m)
- _____
- (b) Explain your answer in (a) (1m)
- _____
- _____

40. Study the statements below carefully. Write "T" for each correct statements and "F" for each incorrect statements in the brackets provided. (3m)

- (a) Plants can respond to changes. ----- ()
- (b) Ferns can make their own food. ----- ()
- (c) Flowering plants have flowers all the time. ----- ()
- (d) Non-flowering plants reproduce by seeds only. ----- ()
- (e) Plants need air, water and sunlight to survive. ----- ()
- (f) Non-flowering plants can bear fruits. ----- ()

41. A, B, C and D are parts of a plant as shown below.



(a) Name the parts A, B, C and D. (2m)

A	
B	
C	
D	

(b) State one reason why part D is important to the plant. (1m)

42. The properties of 3 materials are given in the table below.
The materials are wood, plastic and ~~iron~~ clay

Property of Material	Material 1	Material 2	Material 3
Floats in water	Yes	Yes	No
Bends easily	Yes	No	No
Can be seen through	Yes	No	No

State correctly which of the following are Materials 1, 2 or 3. (1m)

(a) Wood - Material _____

(b) Clay - Material _____

(c) Based on the information given in the above table, state one similarity and difference between Material 1 and Material 2.

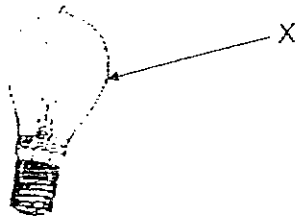
(i) Similarity - _____ (1m)

(ii) Difference - _____ (1m)

43. In the story of the three little pigs, the first pig's house was made of straw. The second pig had a house made of sticks. Both these houses were blown down. The third pig's house was made of bricks.

Using your knowledge about materials, explain why a house made of bricks cannot be blown away? (2m)

44. The diagram below shows a light bulb.

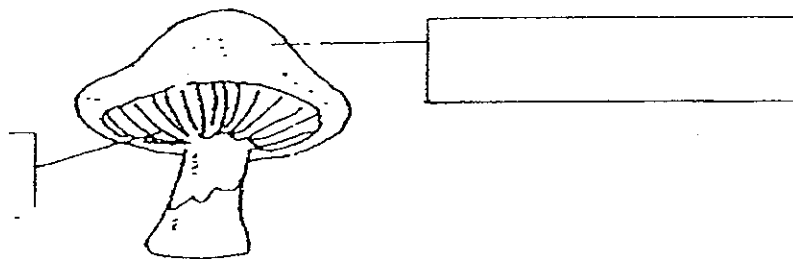


Light bulb

(a) State the material used to make part X. (1m)

(b) State a property of the material used to make the light bulb. (1m)

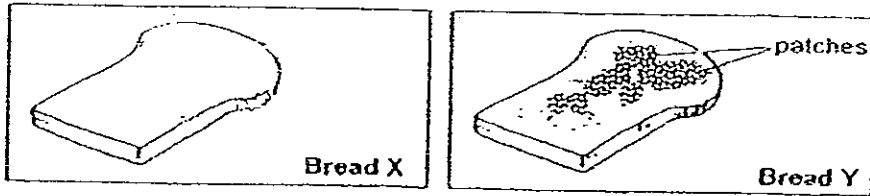
45. (a) Label the parts of the mushroom shown below. (1m)



(b) What does the mushroom feed on? (1m)

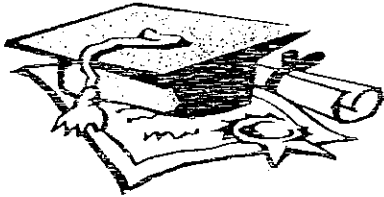
(c) Which part of the mushroom are the spores found? (1m)

- 46 Siti had 2 slices of bread. She toasted Bread X and put it onto a plastic plate. Then she wet Bread Y and put in onto the same type of plastic plate. She observed the following after 2 weeks.



- (a) What are those patches on bread Y most likely to be? (1m)

- (b) Give a reason why the patches **did not** grow on Bread X. (1m)



ANSWER SHEET

EXAM PAPER 2008

SCHOOL : HENRY PARK PRIMARY SCHOOL
SUBJECT : PRIMARY 3 SCIENCE

TERM : SA 1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
2	3	3	4	3	3	1	2	3	2	4	2	2	4	4	4	2

Q18	Q19	Q20	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	Q30
1	3	4	3	1	1	2	4	1	3	2	2	3

31)A: Never alive B: once alive C: animals

32)a)i)C ii)B

b)Animal D has hair and lay eggs.

33)a)Animal A and Animal B have webbed feet.

b)Animal A has two arms while Animal B has four arms.

34)a)The number of tubifex worms decreases.

b)The guppies might have ate the tubifex worms.

c)Living things reproduce.

35)a)Animal in Jar A died because it does not have air.

b)It was not given the right food.

36)a)Animal C is not an insect.

b)Animal C does not have six legs and it does not have three main body parts.

37)a)Rubber is most suitable in Making part Q of the bicycle.
b)Rubber is flexible.

38)a)Y: non-flowering plants
b)Z: flowering plant
c)A hibiscus.

39)a)The rain tree would provide Francis with more shade.
b)The Rain tree looks a big umbrella and it have a lot of leaves.

40)a)T b)T c)F d)F e)T f)F

41)a)A: leaves B: stem C: flower D: roots
b)Part D absorbs water for the plant.

42)a)2 b)3
c)i)They can float in water.
ii)Material I can bend easily while Material 2 cannot.

43)Bricks are hard and heavy therefore it cannot be blown away.

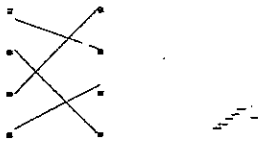
44)a)Glass is used to make part X.
b)Glass is transparent.

45)a)Mushroom cup, Mushroom gills
b)Mushroom feed on decaying matters.
c)The spores are found at the gills.

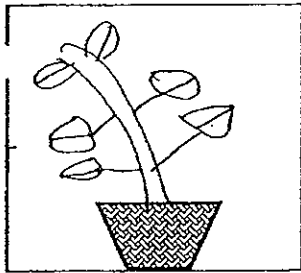
46)a)Those patches on bread Y most likely is mould.
b)It does not have water.

34)b)It breaks down food to smaller substance for easier digestion.

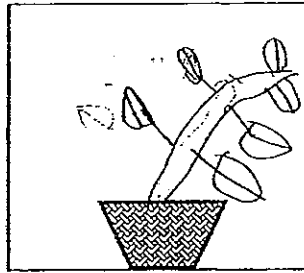
35)



36)



Plant E



Plant F