



AI TONG SCHOOL

2010 SEMESTRAL ASSESSMENT 1 PRIMARY THREE SCIENCE

DURATION : 1h 45 min

DATE: 13TH May 2010

INSTRUCTIONS

**Do not open the booklet until you are told to do so.
Follow all instructions.
Answer all questions.**

Name: _____ ()

Class : Primary _____

Parent's Signature: _____


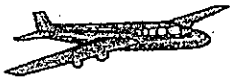

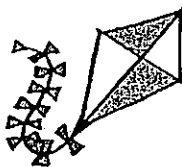
Date : _____

MARKS	100
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Section A (30 x 2 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. Which one of the following is a living thing?

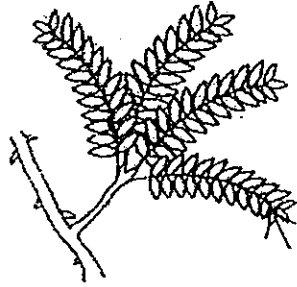
(1)  A bat	(2)  An aeroplane	(3)  A balloon	(4)  A kite
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2. Animals move away from their habitat because

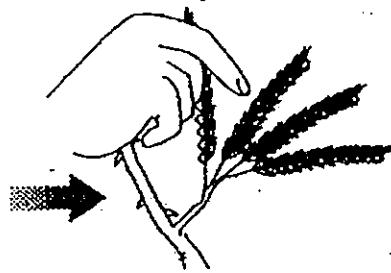
- A they are ill
- B they are old
- C there is no air, food and water
- D they want to escape from predators

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

3. Tom was walking in a park when he saw a plant shown below.



When he touched the plant, he observed the change shown in the picture below.



Which characteristic of living things does the plant show?

Living things _____.

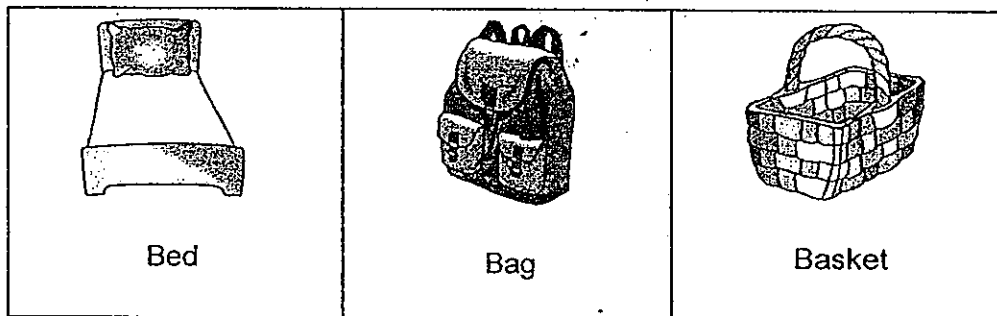
- (1) die
- (2) grow
- (3) reproduce
- (4) respond to changes

4. Mary took a walk with her mother. She saw a rotting log and bent down to take a closer look at it. Her mother told her that the log was not a living thing because it _____.

- A could not respond
- B was brown in colour
- C could no longer grow
- D could no longer reproduce

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

5.



The above objects are non-living things because _____.

- A they can reproduce
- B they do not need air
- C they can move by themselves
- D they cannot respond to changes around them

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

6.



Which one of the following statements about the above animal is false?

- (1) It can move.
- (2) It lays eggs.
- (3) It has two antennae.
- (4) Its six legs are found on its abdomen.

7. Which of the following are not characteristics of mammals?

- A: They have hard body coverings.
- B: They live on land.
- C: They give birth to live young.
- D: They feed their young with milk.

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

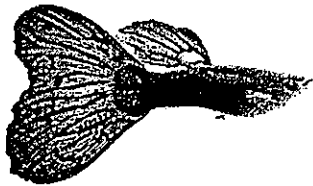
8. Which one of the following outer coverings is wrongly matched to the animal?

	Animal	Body covering
(1)	Penguin	Feathers
(2)	Dolphin	Hair
(3)	Goldfish	Scales
(4)	Moth	Fur

9. Which one of the following animals belongs to the same animal group as the clownfish?

- (1) kingfisher
- (2) stingray
- (3) dolphin
- (4) ostrich

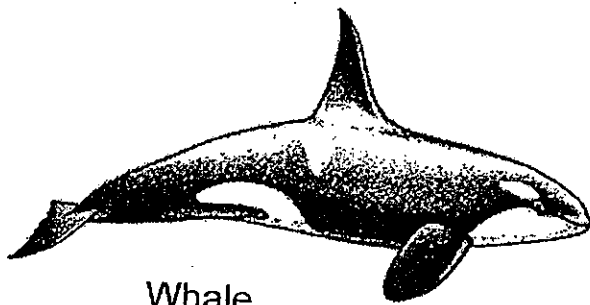
10. What do the following animals have in common?



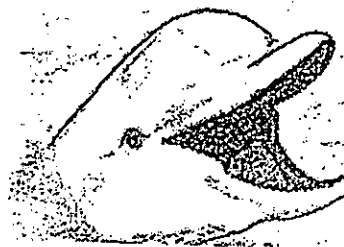
Guppy



Seal



Whale



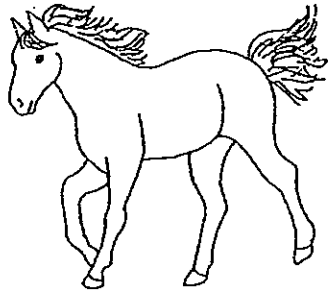
Dolphin

- A: They have gills.
- B: They are able to swim.
- C: They give birth to live young.
- D: They are covered with scales.

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

11. Which one of the four animals can be classified under the group called 'fish'?

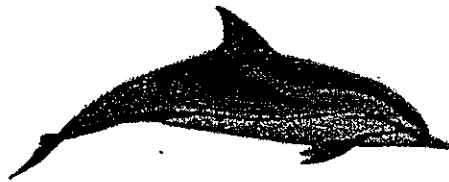
(1)



(2)



(3)



(4)



12. The table below shows how some animals are classified.

A	B
Emu	Koala
Eagle	Dolphin
Sparrow	Platypus

The animals are grouped according to _____

- (1) the way they move
- (2) the way they reproduce
- (3) their outer body coverings
- (4) the number of legs they have

13. Which one of the following statements about the morning glory plant is false?

- (1) It is a land plant.
- (2) It makes its own food.
- (3) It reproduces from seeds.
- (4) It is a non-flowering plant.

14. The picture below shows a plant.



Which of the following statements describe the plant correctly?

- A: It is a living thing.
- B: It makes its own food.
- C: It is a flowering plant.
- D: It reproduces from spores.

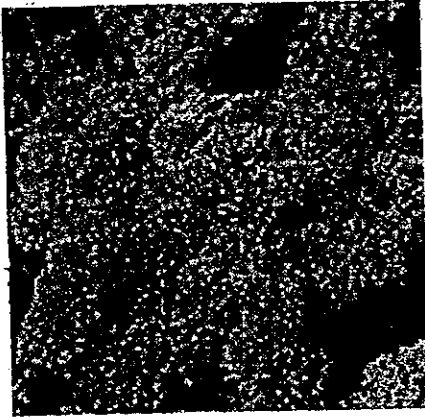
- (1) A and D only
- (2) A, B and C only
- (3) B, C and D only
- (4) A, B, C and D

15. A plant is different from an animal because it needs water

- (1) needs air
- (2) needs water
- (3) makes its own food
- (4) responds to changes

16. Which one of the plants shown below grows from seeds?

(1)



Moss

(2)



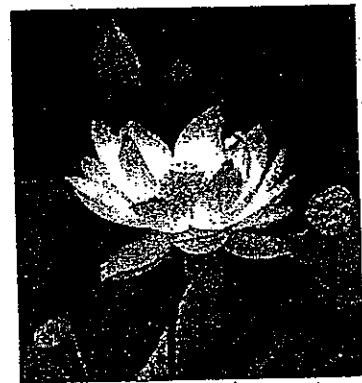
Staghorn fern

(3)



Bird's nest fern

(4)



Lotus

17. Which two plants in the table are correctly classified?

Plants		
	Non-flowering Plants	Flowering Plants
A	moss	mimosa
B	pine	bird's nest fern
C	water moss fern	water spangle
D	lantana	water lily

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

18. Plants can be classified into two groups as shown below.

Plants	
X	Y
sword fern	water lily
rose	water spangle
bougainvillea	duckweed
jasmine	lotus

Which of the following headings are represented by X and Y?

	X	Y
(1)	Plants that grow on land	Plants that grow in water
(2)	Plants that have no flowers	Plants that have flowers
(3)	Plants that make food	Plants that do not make food
(4)	Plants that reproduce from seeds	Plants that reproduce from spores

19. Three children, Alice, Bobby and Cathy are talking about plants.

Alice says, "The ixora plant produces flowers."

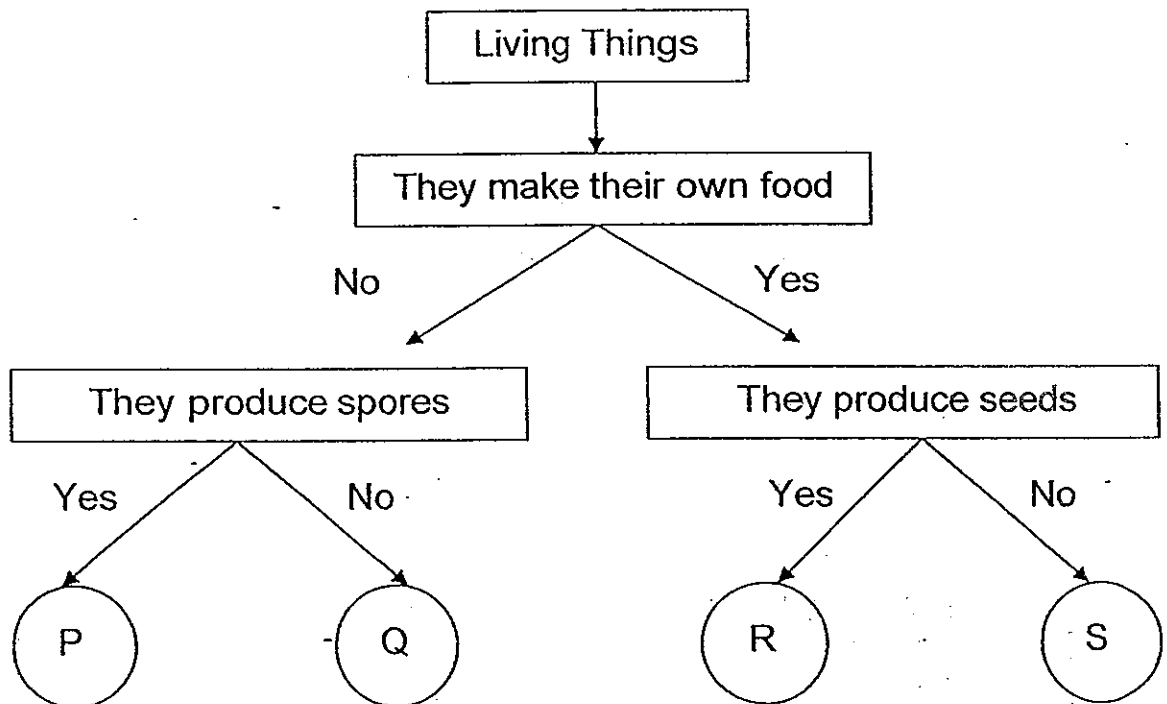
Bobby says, "The orchid plant cannot produce flowers."

Cathy says, "The moss plant does not grow from seeds."

Which of the three children are right?

- (1) Alice and Bobby only
- (2) Alice and Cathy only
- (3) Bobby and Cathy only
- (4) Alice, Bobby and Cathy

20. The flowchart below shows how some living things are classified.



Which one of the letters represents rice plants?

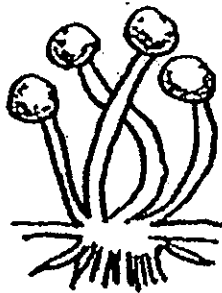
- (1) P
- (2) Q
- (3) R
- (4) S

21. Which of the following statements about fungi are true?

- A: They need air and water.
- B: They make their own food.
- C: They respond to changes.

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

22. The diagram below shows some bread mould.



Which one of the following statements is true about the bread mould?

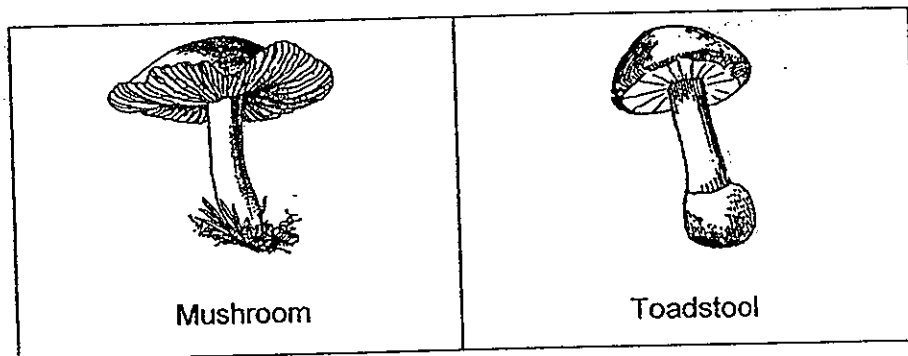
- (1) It can make its own food.
- (2) It needs only water to grow.
- (3) It feeds on dead plants and animals.
- (4) It will die when the air around becomes warm.

23. Bacteria can live in .

- A: water
- B: the air
- C: the soil

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

24.



Which of the following statements describes the above organisms?

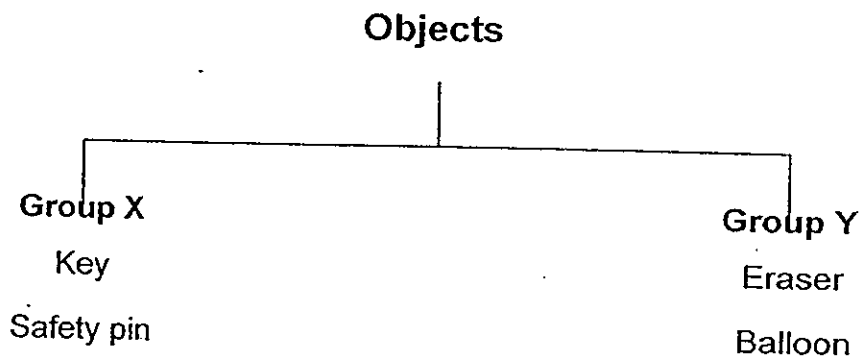
- A They reproduce from spores.
- B They cannot make their own food.
- C They cannot be seen with the naked eye.

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

25. Steel is a material used to make bridges. Why is this material better than wood?

- (1) Steel is man-made.
- (2) Steel is lighter than wood.
- (3) Steel comes in many colours.
- (4) Steel is harder and stronger than wood.

26.



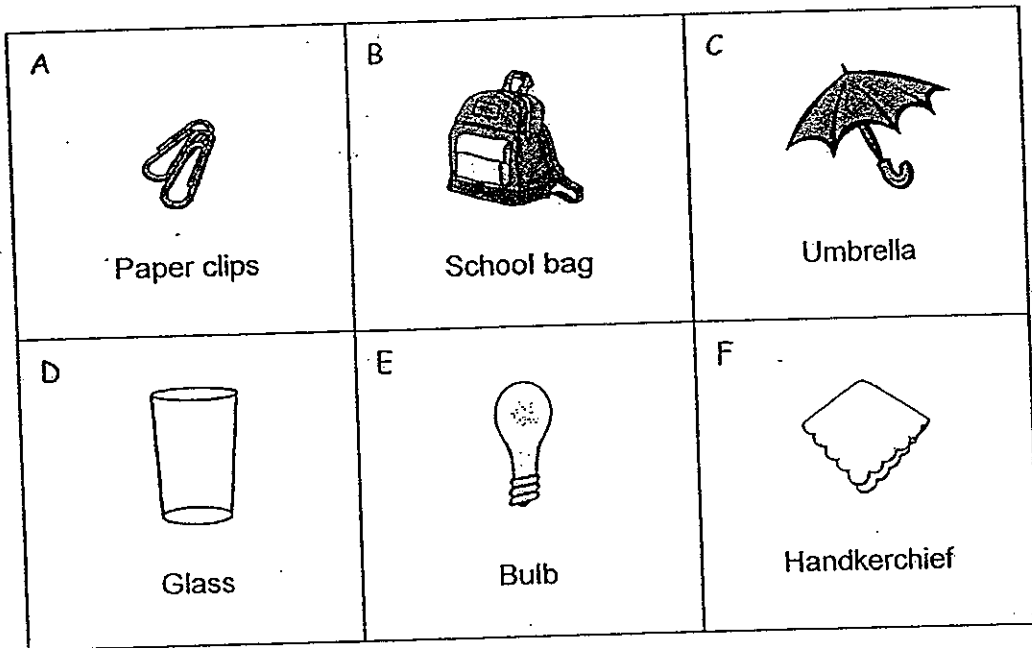
The above objects are grouped according to _____.

- (1) their uses
- (2) their texture
- (3) where they are found
- (4) what they are made of

27. Which materials are **not** used for making the objects?

	Object	Materials
(1)	bicycle	metal, rubber
(2)	spectacles	glass, metal
(3)	ball	rubber, plastic
(4)	bed	brick, ceramic

28. Which of the things below are made of more than one material?



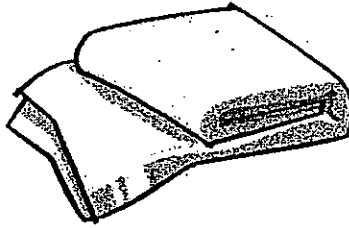
- (1) A, B and C only
- (2) D, E and F only
- (3) B, C and E only
- (4) A, D and F only

29. Which group of materials comes from plants only?

A	B	C	D
Sand	Wood	Leather	Iron
Stone	Cane	Wool	Steel
Pebbles	Paper	Feather	Gold

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

30. Study the picture below.



We use a towel to wipe ourselves dry after a shower because the material _____.

- (1) is waterproof
- (2) is light and hard
- (3) can float in water
- (4) can absorb water easily

Name: _____ ()

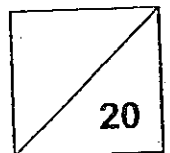
Class: P.3 _____

Section B (10 x 2 marks)

Fill in the blanks with the correct answers. Use each word ONCE only.

plant	water	animals	micro-organisms
bark	light	milk	heavy
antennae	yeast	spores	respond

31. Without air, _____ and food, living things cannot live.
32. If you hold out a bone to your pet dog, it will _____ by walking towards you.
33. Ants use their _____ to sense the world around them.
34. A rabbit feeds its young with _____.
35. The outer covering of a tree is the _____.
36. Non-flowering plants reproduce from _____.
37. We cannot see _____ with our eyes only because they are too small.
38. The organism called _____ is used in baking bread.
39. Latex is a material that comes from a _____.
40. A dustbin is usually made of plastic instead of metal because plastic is _____.



Section C (20 marks)

Answer all the questions in the spaces provided.

41. The picture shows Donald's aquarium:

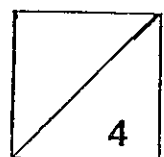


(a) When Donald tried to catch a fish with his hand, it swam away. Which characteristic of living things was the fish showing? [1]

(b) Donald noticed that the fish were swimming close to the surface of the water. Why were they swimming close to the surface of the water? [1]

(c) What should Donald do to prevent his fish from swimming close to the surface of the water? [1]

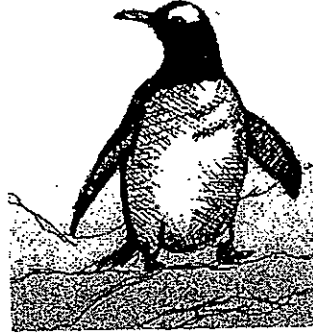
(d) Donald saw a fish laying eggs at the bottom of the aquarium. What does this show about what living things can do? [1]



42. Compare the bat and the penguin. They are both living things.



bat



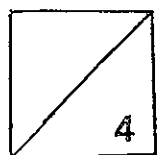
penguin

a) By looking at the pictures only, write down one similarity between the two animals. [1]

b) How do they differ in the way they move? [1]

c) Which one of the above animals belongs to the same group as human beings? [1]

d) Why do you say so? State one characteristic of this animal group. [1]



43. The picture below shows a plant.



(a) Name the parts marked A, B and C.

[3]

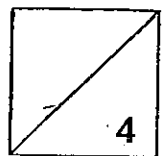
Part A is the _____

Part B is the _____

Part C is the _____

(b) How does this plant reproduce?

[1]



44.



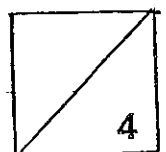
(a) Which material would you choose to make the fish bowl shown above? [1]

(b) Write down two reasons for choosing that material. [2]

i _____

ii _____

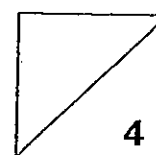
(c) What other material besides the one you mentioned in (a) can be used to make a fish bowl? [1]



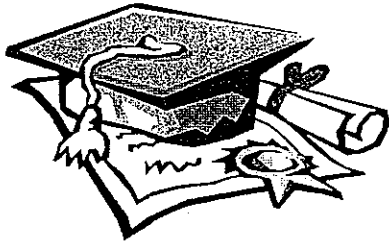
45. Group these animals according to the way they reproduce. Write down your answers in the table provided. [4]

goldfish	cheetah	duck	cat
spiny anteater	goose	elephant	giraffe

Animals that lay eggs	Animals that give birth to their young



-End of Paper-

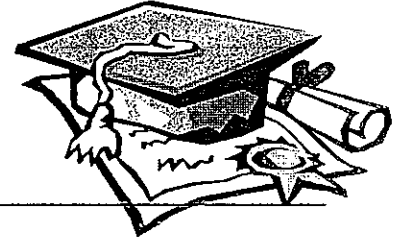


ANSWER SHEET

EXAM PAPER 2010

SCHOOL : AITONG PRIMARY
SUBJECT : PRIMARY 3 SCIENCE

TERM : SA1



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

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

31)water 32)respond 33)antennae 34)milk 35)bark

36)spores 37)micro-organisms 38)yeast 39)plant 40)light

41)a)Living things respond to changes. b)to get more air.
c)put an air pump. d)Living things can respond.

42)a)Both have wings. b)A bat fly while a penguin swims.
c)bat d)It has hair.

43)a)A: flower B: leaf C: stem
b)By seeds.

44)a)Glass b)i)Glass is waterproof. ii)Glass is transparent.
c)Plastic.

45)goldfish cheetah
duck cat
spiny anteater giraffe
goose elephant

