

MAHA BODHI SCHOOL 2005 SEMESTRAL ASSESSMENT 2. PRIMARY 3 SCIENCE

Name:	()	Date: 27 Oct 2005
Class: Primary 3 ()			
	BOOKLE	TA	
30 Questions			
30 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 carefull	y .		
Check all the pages carefully to order.	o make sure	that all th	e questions are in
Answer all the questions.			
If a question is difficult, go on	to the next o	ne. Do n	ot waste time.
This booklet consists of 12 pag	nee evoludir	a the ear	.a. al

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 answer (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. Study the 2 groups of things shown below.

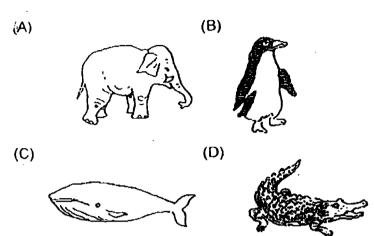
Group X	Group Y
twig	key
twig	, and the second
dried leaf	сир

Which one of the following sets of headings for Group X and Group Y is correct?

	Group X	Group Y
(1)	Plants	Animals
(2)	Living Things	Non-living things
(3)	Things that were once alive	Things that are never alive
(4)	Things that are made of plant parts	Things that are made of animal parts

- 2. Raincoats are usually made of plastic because the material
 - (A) is light
 - (B) is waterproof
 - (C) tears easily
 - (1) A and B only
 - (2) B and C only
 - (3) A and C only
 - (4) A, B and C

3. Which one of the following animals are mammals?



- (1) A and C only
- (2) A, B and C only
- (3) B, C and D only
- (4) A, B, C and D
- 4. Which one of the following statements about micro-organisms is <u>incorrect</u>?
 - (1) All micro-organisms are harmful to man.
 - (2) Some micro-organisms help in the decomposition of dead matter.
 - (3) Micro-organisms can only be seen under the microscope.
 - (4) Micro-organisms can be found in our bodies.
- 5. For a seed to grow into a seedling, it will need
 - (A) air
 - (B) fertilizer
 - (C) water
 - (D) warmth
 - (1) A and B only
 - (2) A and C only
 - (3) A. C and D only
 - (4) B, C and D only

Which one of the following shows the correct order in the development of a chick from a fertilized egg?

Α

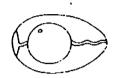
В

С

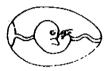
D

Ε











 $(3) \quad B \longrightarrow D \longrightarrow C \longrightarrow E \longrightarrow A$ $(4) \quad B \longrightarrow D \longrightarrow C \longrightarrow A \longrightarrow E$

7 Dogs are often used to locate missing people because of their keen sense of

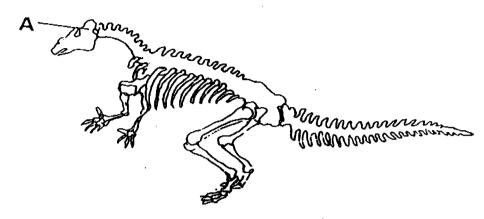
- (1) hearing
- (2) smell
- (3) sight
- (4) touch

8. Old Uncle Sam is blind. He is unable to tell the _____ of an object.

- (1) size
- (2) shape
- (3) colour
- (4) texture

9.	the	en we are eating or cutting chillies, we know that they are spicy. Which one of following sense organs tells us that?
	(1) (2) (3) (4)	Eyes Ears Tongue Skin
10.	The dioxi	system takes oxygen into the body and removes carbon de from the body.
	(1) (2) (3) (4)	digestive circulatory respiratory skeletal
11.	Whic body	h one of the following paths shows correctly how food travels through our?
	(1) (2) (3) (4)	Mouth → gullet → stomach → small intestine → large intestine Gullet → mouth → stomach → large intestine → small intestine Mouth → stomach → gullet → small intestine → large intestine Gullet → mouth → small intestine → stomach → large intestine
12.	Undig remo	gested food goes into the where most of the water is ved from the food.
	(1) (2) (3) (4)	anus stomach small intestine large intestine
3.	The fu	unction of the skeletal system is to
		(A) give shape to our body (B) protect the important organs in our body (C) enable the movement of our body
	(1) (2) (3) (4)	A only A and B only B and C only A, B and C

14. The diagram below shows the skeleton of a dinosaur.

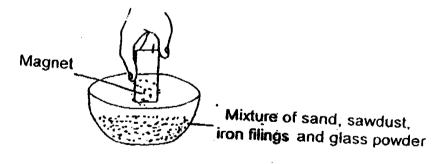


What is the part marked 'A'?

- (1) Skull
- (2) Hip bone
- (3) Ribcage
- (4) Thigh bone
- 15. Which one of the following statements is not true of the muscular system?
 - (1) Muscles work together with the skeletal system to enable a person to move his body.
 - (2) There are some muscles in the body that work without having the person to control them.
 - (3) The main function of the muscular system is to protect the organs in the body.
 - (4) Most muscles work in pairs to bring about movement
- 16. We need our muscles when we _____
 - (A) smile
 - (B) pick up litter from the ground
 - (C) climb up the stairs
 - (D) nod our head
 - (1) A and C only
 - (2) B and C only
 - (3) B, C, and D only
 - (4) A, B, C and D

17.	Chlo	prophyll is the green substance of function of chlorophyll?	ce in leaves. W	hich one of the following is the
	(1). (2) (3) (4)	It traps water. It traps energy from the su It traps carbon dioxide. It produces food.	ın.`	
18.	The	of a	plant protect(s) its seeds.
	(1) (2) (3) (4)	leaves flowers fruits stem		
19.	In a S on this	cience TV programme, Alice s definition, which one of the	learnt that so following is no	me fruits contain seeds. Based ot a fruit?
	(1)		(2)	
		(P)		
		pumpkin		potato
	(3)		(4)	
·	Æ	lady's finger		chilli

21. Ali pours a mixture of sand, sawdust, iron filings and glass powder into a bowl.

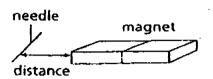


The _____ will be attracted to the magnet when the magnet is brought near the mixture.

- (1) sand
- (2) sawdust
- (3) iron filings
- (4) glass powder

Study the table below and answer Questions 22 & 23.

Javier wants to find out the strength of 4 pieces of bar magnets, A, B, C and D. He places a needle at different distances from each magnet as shown.



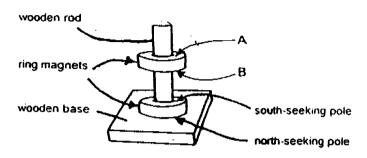
The table below shows the results of his experiment.

A ($\sqrt{}$) indicates that the needle is attracted to the magnet while a (x) indicates that the needle is not attracted to the magnet.

		Distance, from	n the magnet	
Magnet	1 cm	2 cm	3 cm	4 cm
A		7	√	J
В			X	<u> </u>
<u>C</u>			1	
D		X	X	-

- 22. Magnet _____ is the strongest and Magnet _____ is the weakest.
 - (1) AD (2) DA
 - (2) DA (3) BC
 - (4) C.....B
- 23. Magnet C is stronger than Magnet(s) ______
 - (1) A only
 - (2) B only
 - (3) B and D only
 - (4) A, B and D

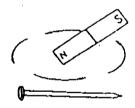
24. Study the diagram shown below. Two ring magnets are passed through a wooden rod.



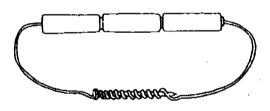
A is the	pole while B is the	pol←

- (1) south-seeking south-seeking
- (2) north-seeking....north-seeking
- (3) south-seekingnorth-seeking
- (4) north-seekingsouth-seeking
- 25. Which one of the following iron nails will not become a magnet?

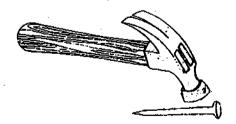
(1)



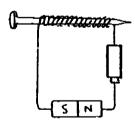
(2)



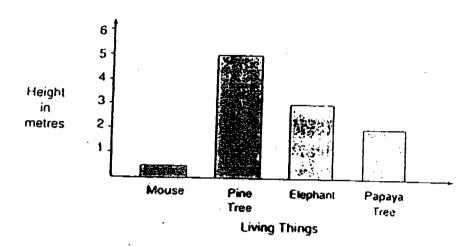
(3)



(4)



26. Study the graph below.



Arrange the living things in order of their height from the shortest to the tallest.

- (1) Mouse, papaya tree, elephant, pine tree
- (2) Pine tree, elephant, papaya tree, mouse
- (3) Elephant, papaya tree, pine tree, elephant
- (4) Papaya tree, mouse, elephant, pine tree

27. Which one of the following objects does not need magnets to work?

(1)



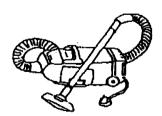
(2)



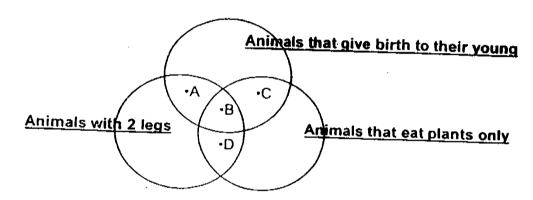
(3)



(4)



- 28. Kelly placed a piece of paper on the door of a refrigerator by putting 4 button magnets at the corners of the paper. She replaced the piece of paper with a piece of iron sheet and noticed that the iron sheet would not stick on the door. Why was this so?
 - (1) The iron sheet was too heavy.
 - (2) The 4 button magnets were not strong enough.
 - (3) The 4 button magnets were not attracted to the iron sheet.
 - (4) The pull of the 4 button magnets could not pass through the iron sheet.
- Study the Venn diagram below.

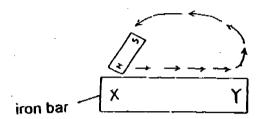


Where should "rabbit" be placed?

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

30. Charlotte made a magnet using the "stroking" method.

She started stroking the iron bar at X with a magnet and continued stroking in the direction shown below.



Which poles do X and Y represent?

	X	Υ
(1)	N - Pole	N - Pole
(2)	N - Pole	S - Pole
(3)	S - Pole	N - Pole
(4) [S - Pole	S - Pole



MAHA BODHI SCHOOL

2005 SEMESTRAL ASSESSMENT

PRIMARY 3 SCIENCE

Name:	<u></u>	()	Date: 27 Oct 2005
Class: Primary 3 ()			
		BCOKL	ETB	

10 Questions

20 marks

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

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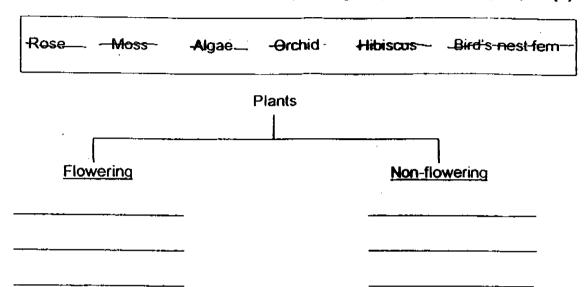
This booklet consists of 6 pages, excluding the cover sheet.

	Max. Marks	Actual Marks
Booklet A	30	
Booklet B	20	
T-4-1	50	
Total	100	
Parent's Signature		

PART II: (20 marks)

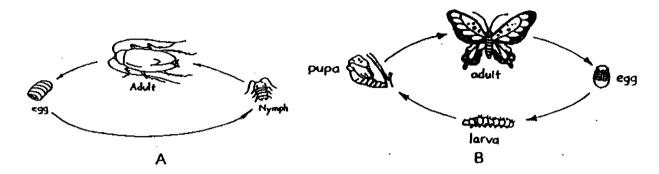
Write your answers to questions 31 to 40 in this booklet.

 Complete the classification table below by putting the plants into two gr 	oups. [3	31
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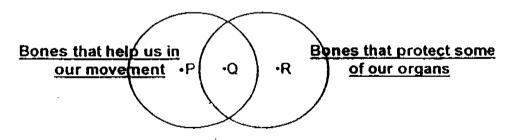


- 32. After a football match, Jun Kai hurriedly gulped down a glass of water and started coughing.
 - (a) Where had the water gone to? [1]
 - (b) Where should the water have entered instead? [1]

33. The diagrams below show 2 life cycles, A and B.

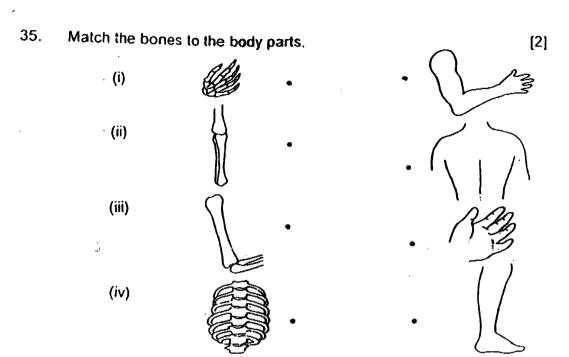


- (a) Based on the diagrams, compare and state a difference between life-cycles A and B. [1]
- (b) Name the process when the pupa in life cycle B grows a new skin and sheds the old one. [1]
- 34. In the Venn diagram below, P, Q and R represent 3 different bones found in our body.

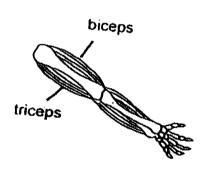


Identify the letter that represents each of the following types of bones.

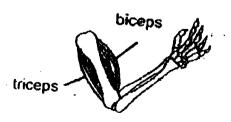
- (i) Skull :_____
- (ii) Ribcage :
- (iii) Finger bone :______ [2]



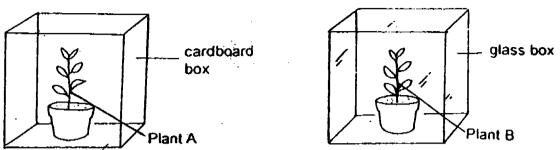
36. The diagram below shows the muscles, triceps and biceps, in the upper arm when the arm is straightened. The bicep relaxes while the triceps contracts.



However, when the arm is bent, the biceps _____ while the triceps _____ as shown in the diagram below. [1]



37. James carried out an experiment as shown below.



He grew two similar pots of plants in fertile soil and put them under the sun. He also watered them every day.

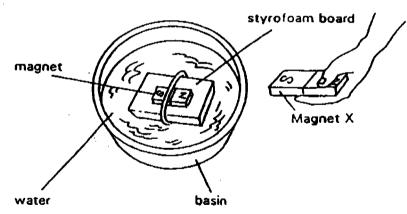
a) Which plant would <u>not</u> grow well?

[1]

b) Give a reason for your answer in (a).

[1]

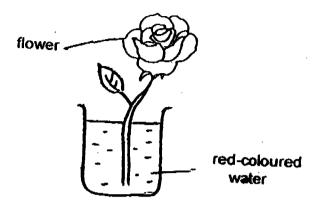
38. Study the set-up shown below.



- (a) What will happen to the styrofoam board when Lynn brings Magnet X near the basin as indicated in the diagram? [1]
- (b) Why does it behave that way?

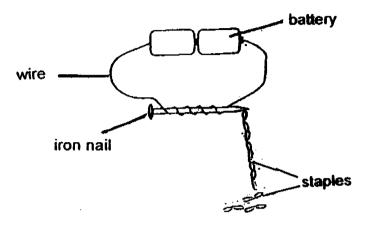
[1]

39. Janet put a white flower in a beaker of red-coloured water for two days.



What would Janet observe about the flower at t	the end of the second day? [
Explain your answer in (a).	[1]

40. Mary set up the experiment below using 2 batteries, wires and an iron nail. She put some staples on the table.



- (a) After 3 minutes, the iron nail was able to attract some of the staples.

 Explain what has happened.

 [1]
- (b) Write down one way to <u>increase</u> the number of staples that are attracted to the iron nail. [1]

MAHA BODHI PIMARY SCHOOL PRIMARY 3 SCIENCE 2005 SEMESTRAL ASSESSMENT 2

ANSWER SHEEETS			
1.3	31 <u>F</u>	lowering	Non-flowering_
2.1	_		
3.1	Ro	se	<u>Moss</u>
4.1	O	chid	Algae_
5.3	Hi	biscus	Bird's nest fern
6.3			
7.2		-	one into his wind pipe
8.3	b) 7	he water should	have entered to his gullet
9.4	<u> </u>	instead.	
10.3			
11.1		-	s three stages while life
12.4		cycle B has four	-
13.2	b) '	The process is a	moulting.
14.1			
15.3	34.i)1	R ii)Q iii)	₽
16. 4			
17.2	35.i)	\ /	
18.3	ii)	\sim	
19.2	iii)	\sim	
20.4	iv)		
21.3		_	
22. 1	36.co	ntracts, relaxes	
23.3			
24.4	- 1	plant A	1.2 I have a second block
25.3			able to pass through the
26.1			nd so plant A did not get any
27.3		sunlight to mak	e lood.
28.4	20 -1	74 4-	
29.3 30.2			wards magnet X.
30. 2	(a		ng pole of the magnet on the
		seeking pole of	d is attracted to the south-
		seeving bore of	. maynet A.

- 39.a) The white flower with soon become a red flower.
 - b) The stem takes in the red water and carries it to the flower.
- 40.a) The iron nail a become an electromagnet.
 - b) To add more batteries.