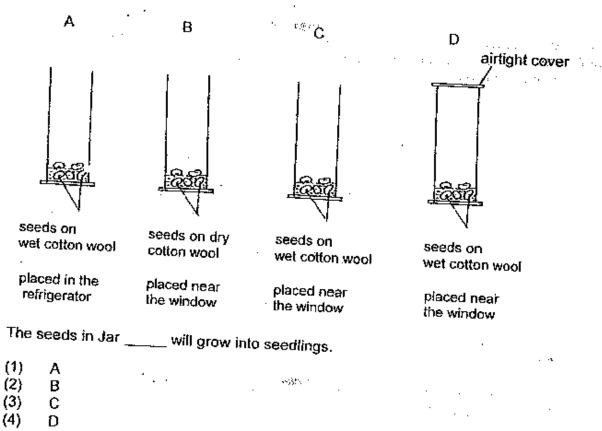


#### MAHA BODHI SCHOOL 2006 SEMESTRAL ASSESSMENT 2 PRIMARY 3 SCIENCE

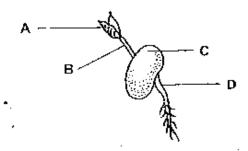
Nam	e:_ <u>.</u>	(	)	Date: 26 October 2006
Class	s:P3	· ()	÷.	
Dura	tion : 1	h 30 min(Parts # & #)		
Part	1: ( 30	marks )		<u> — .                                 </u>
Make	your	uestion from 1 to 30, four option choice (1, 2, 3 or 4). Shade the eet (OAS).	s are given. One of then correct answer (1, 2, 3 o	m is the correct answer. or 4) on the Optical
1.	Stud	y the table given below.		
		Group A	Group I	В
		Goin	Book	
		Button magnet	Ruler	
		Compact disc (CD)	Drawing pa	эрег
	The	things in Group A and Group B	are classified according	to their
	(1)	size		
	(2)	mass		• • •
	(3)	shape		
	(4)	material	:	
2.	Dion the f	and his family were having sate ollowing statements.	ay at Satay Club. Dion ar	nd his siblings made
		Carol : The styrofoam plat	from things that were on nade from things that we e is made from things that umping) is made from th	re once alive. at were once alive.
	Who	made a wrong statement?		
	(1) (2) (3) (4)	Amanda Betina Carol Dìon		

- 3. Mae needs to keep some biscuits in a container. Her mother reminds her to keep it in a container that she can see through. The container must be light and does not break easily. Which material should the container be made of?
  - (1) Clay
  - (2) Glass
  - (3) Metal
  - (4) Plastic
- The diagrams below show 4 jars, A, B, C and D with 5 seeds each. Jar A is placed in the refrigerator while Jars B, C and D are placed near the window.



- 5. Which one of the following animals has a 4-stage life cycle?
  - (1) Chicken
  - (2) Butterfly
  - (3) Cockroach
  - (4) Grasshopper

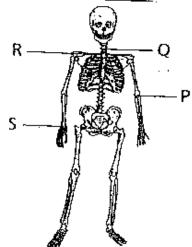
6 The diagram below shows a green bean seed.



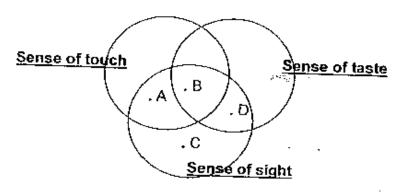
Which part will first appear as the green bean seed germinates into a seedling?

- (1) A
- (2) B
- (3) C
- (4) D
- 7. On a stormy day, we can tell that there is lightning and thunder by using our sense of \_\_\_\_\_\_\_.
  - (A) sight
  - (B) touch
  - (C) hearing
  - (1) C only
  - (2) A and B only
  - (3) A and C only
  - (4) B and C only
- 8. Maria is having a cold. Her sense of \_\_\_\_\_ will be affected.
  - (1) smell and sight
  - (2) sight and hearing
  - (3) smell and taste
  - (4) taste, hearing and touch
- 9. Which one of the following animals does <u>not</u> have a skeletal system?
  - (1) Man
  - (2) Parrot
  - (3) Spider
  - (4) Goat

- 10. Undigested food goes into the removed from the food. where most of the water is
  - (1) anus
  - (2) stomach
  - (3) small intestine
  - (4) large intestine
- 11. Some joints allow movement in only one direction. Which one of the following joints allows movement in <u>only one direction?</u>



- (1) P
- (2) Q
- (3) R
- (4) S
- Study the Venn diagram below.

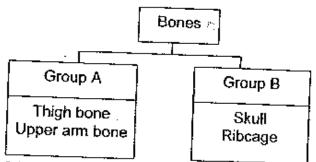


June tastes a liquid and said, "This green liquid is so sour!"
Which one of the following letters represents correctly the senses that June uses to make her observations?

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

•					
	1,3.	The	ibcage		
			(B) protects our h (C) provides supp	end our body leart and lungs port to our arms int to expand and contract	
	e * entwice	(1) (2) (3) (4)	A only B only B and D only B, C and D only		
	14.	The c	diagram below shows	a model of the skeleton of a di	nosaur.
				X X	en e
		The o	curved bone marked X	( is the	
		(1) (2) (3) (4)	rib hip bone backbone breastbone	:	
	15.		h is stirring some soup e work.	o in a pot. The	in her hand help her to
			(A) bones (B) joints (C) muscles	; • • · · ·	
·		(1) (2) (3) (4)	A only C only B and C only A, B and C		
	16.	The		of a plant protects its seeds	
		(1) (2) (3) (4)	leaf flower fruit stern		
			·		43

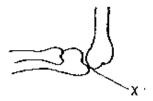
.



Which one of the following sets of headings is most suitable for Group A and ...

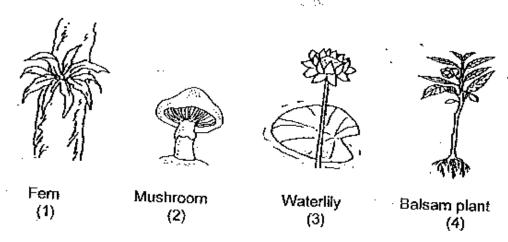
(1) (2)	Group A Long bones Bones that do not protect organs	Group B Short bones Bones that protect organs
(3) (4)	Long and curved bones  Long and straight bones	Short and straight bones Short and curved bones

18. The part marked 'X' in the diagram below is a \_\_\_\_\_\_

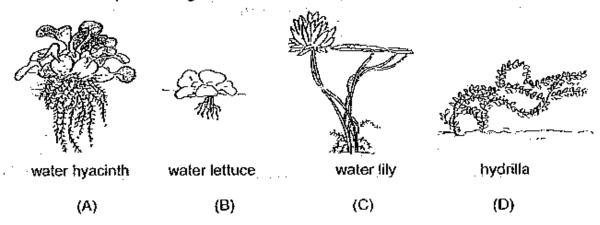


- (1) bone
- (2) joint
- (3) muscle
- (4) nerve

## 19. Which one of the following <u>cannot</u> make its own food?

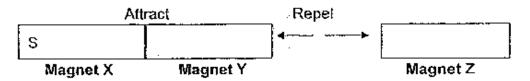


20. Some water plants are given below.



Which of them are floating plants?

- (1) A and B only
- (2) B and C only
  - (3) C and D only
  - (4) A and D only
- 21. Look at the diagram carefully.

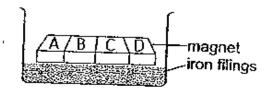


When the three bar magnets (X, Y and Z) are placed near one another, magnets X and Y are attracted to each other but magnets Y and Z repel each other.

Which one of the following diagrams shows the correct poles for Magnets Y and Z?

	Magnet Y	Magnet Z
(1)	S. N	S N
(2)	N S	N S
(3)	SN	N S
(4)	N S	S N

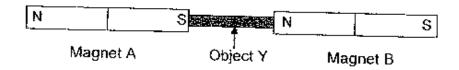
22. Bob lowered a bar magnet into a container of iron filings. Before he lifted the magnet, he asked his friends to predict the amount of iron filings that would be attracted to each of the four parts marked A, B, C and D.



The table below shows their predictions. Who made the most accurate prediction?

			<del></del> -—	<del></del>	<del>-</del>
		Part A	Part B	Part C	Part D
(1)	John	4 grams	3 grams	11 grams	10 grams 💢
(2)	Kaili	4 grams	1 gram	10 grams	3 grams
(3)	Lipeng	11 grams	4 grams	3 grams	10 grams ✓
(4)	Prema	11 grams	10 grams	4 grams	3 grams X

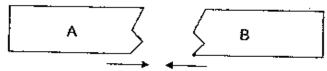
23.



Both Magnets A and B attract Object Y as shown above. Object Y <u>cannot</u> be

- (1) iron.
- (2) nickel
- (3) copper
- (4) a magnet

### 24 Andy broke a bar magnet into 2 pieces, A and B



When he put the 2 broken pieces together as shown above, he found that A and B were attracted to each other.

What conclusion could Andy make?

- When a magnet is broken, it loses its magnetism.
- (2) When a magnet is broken, the two halves become a magnet each.
- (3) When a magnet is broken, there are no north-seeking poles.
- (4) When a magnet is broken, there are 4 north-seeking poles.

46

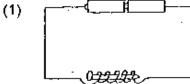
Liz has 4 different bar magnets. She brings each of the magnets close to some 25: paper clips. The number of clips attracted to each of the magnets is shown in the table below.

Bar Magnet	Number of paper clips attracted
Α	15
В	16
С	13
D	9

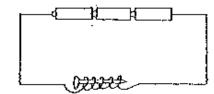
The weakest magnet is

- Magnet A (1)
- (2) Magnet B
- Magnet C (3)
- Magnet D (4)
- Which one of the following produces the strongest electromagnet? 26.

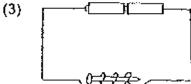




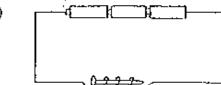






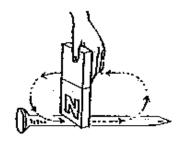


(4)



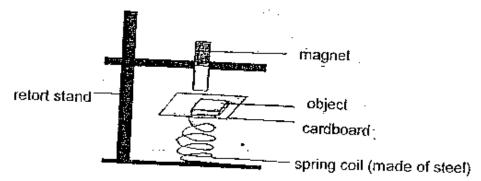
- Which one of the following appliances does not make use of magnets to work? 27
  - Battery (1)
  - Computer (2)
  - Compass-(3)
  - Telephone. (4)

John strokes an iron nail with a magnet 20 times as shown below. 28.



What will happen when he puts the iron nail next to a paper clip?

- Nothing will happen. (1)
- The paper clip will be attracted to the iron nail. (2)
- The paper clip will be repelled by the iron nail. (3)
- The paper clip will become a permanent magnet. (4)
- Which of the following ways will destroy the magnetism of a magnet? 29.
  - (A) Hammering it
  - (B) Heating it over a flame
  - Stroking it with a non-magnetic object. (C)
  - Coiling a wire around it and running current through the wire. (D)
  - (1)A only
  - (2)C only
  - (3)A and B only
  - C and D only (4)



Susan set up the experiment above.

She tested four different objects, A, B, C and D by tapping them on the cardboard as shown above. She observed what happened to the spring coil and recorded her

Object	Length of spring coil
	Increase
B	Increase
	Decrease Maynut
' — <u> </u>	No change

Based on the observation that Susan made, what could objects A, B, C and D be?

_ —·—·— —	-	County OD	խութ տ, թ, Ե գրը [
(1) Aluminium bar (2) Steel bar (3) Iron bar (4) Steel bar	B Magnet Aluminium bar Steel bar Iron bar	C Iron bar Magnet Aluminium bar Magnet	D Steel bar Iron bar Magnet Aluminium bar

#### MAHA BODHI SCHOOL 2006 SEMESTRAL ASSESSMENT 2



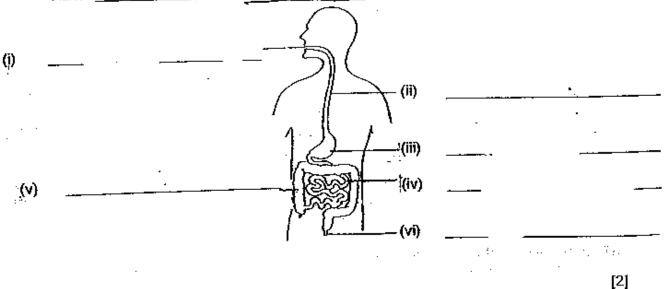
P3 SCIENCE

Part I

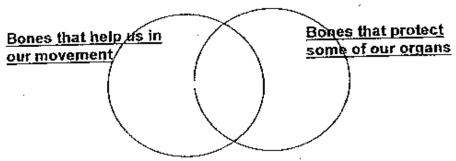
			( 30 mar∤	(s)
	r		Part II	
			! ( 20 mark	(S)
Name	e:	_( )	SA 2 (50 n	narks)
Class	::P3(	)	SA2 ( 100 n	narks)
Durat	tion: 1 h 30 min (Parts I & II	)	,	<u></u>
Dàte	; 26 Oct 2006	Parent's	Signature :	· 
Part l	li: ( 20 marks )			
Vrite	your answers to questions 3	1 to 40 in this s	script.	
31.	Living things need		and	
	to stay alive.			[2]
32.	This is a picture of Brownie,	the puppy.		•
	(i) Which two dogs below ar	re most likely it:	s parents?	
	and			[1]

(ii) State 2 reasons why you chose the answer in (i).

33 The diagram below shows the digestive system of the human body.
Name only the parts where digestion takes place.



34 The Venn diagram below is used to represent two different types of bones that are found in our body.



In the Venn diagram,

- (i) draw a dot (.) and the letter (X'ito represent the backbone.
- (ii) draw a dot (.) and the letter 'Y' to represent the ribcage.
- (iii) draw a dot (.) and the letter 'Z' to represent the finger bone.

35. 4 joints are given in the box below.

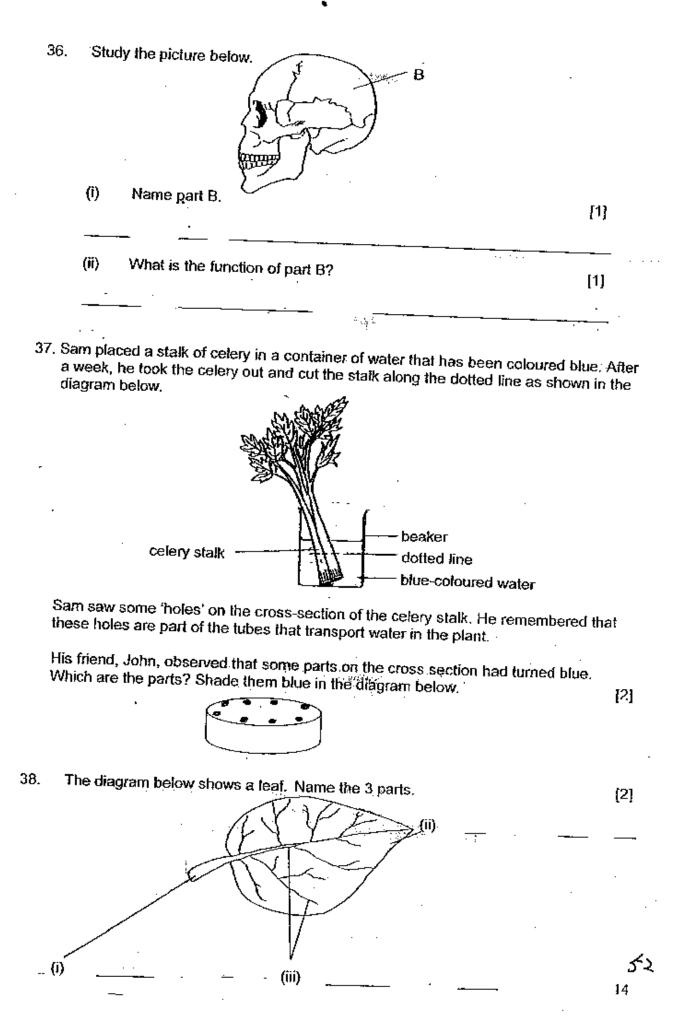
Classify them under the correct headings.

	Hip	Elbow	Knee	Shoulder	
	Ball and s	ocket joint	H	inge Joint	
(i)					
(ii)				4 .	

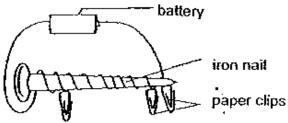
5-1

[2]

[2]



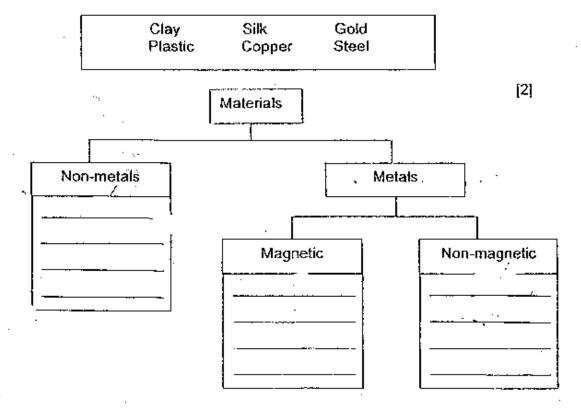
39. Chartene coiled an electrical wire around an iron nail and connected the ends to a battery. The iron nail then became an electromagnet and attracted some paper clips as shown below.



- (a) What will Charlene observe when the battery is removed?

  (b) State one thing that Charlene should do if she wants the electromagnet to attract more paper clips.

  [1]
- 40. Complete the classification table below using the materials listed in the box.



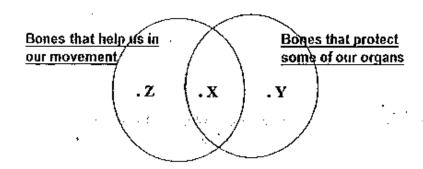
**END OF PAPER** 

# Answer Sheets <u>Maha Bodhi Pri 3 SA2 / 200</u>6 Science

1) 6)	2) 7)	3) 8)	4) 9}	5) 10)	
11) 16)	12) 17)	13) 18)	14) 19)	15) 20)	
21) 26)	22) 27)	23) 28)	24) 29)	25) 30)	

- Q31. Living things need air, food and water to stay alive.
- Q32.(i) A and B
  - (ii) Brownie has curly hair like B and long car like A.
- Q33.(i) Mouth
  - (ii) Gullet
  - (iii) Stomach
  - (iv) Small intestine
  - (v) Large intestine
  - (vi) anus

Q34.



35.

	Ball and socket joint	Hinge joint
(i)	Hip	Knec
(ii)	Shoulder	Кпее

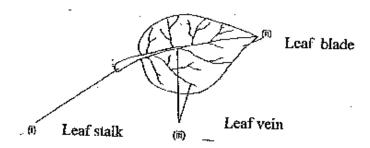
Q36 (i). Skuli

(ii) To protect our brain

Q37.



Q38.



Q39a. All the iron nails will drop.

b. Increase the number of batteries / Increase the number of turns of the coils around the nail.

Q40. Non-metals : silk, clay, plastic

Magnetic : steel

Non-magnetic : gold, copper