AI TONG SCHOOL

2025 END-OF-YEAR EXAMINATION
PRIMARY THREE SCIENCE

(BOOKLET A)

27 OCTOBER 2025

Total time for booklets A and B : 1 h 10 min

INSTRUCTIONS

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Name : _____

Class : Primary 3 _____

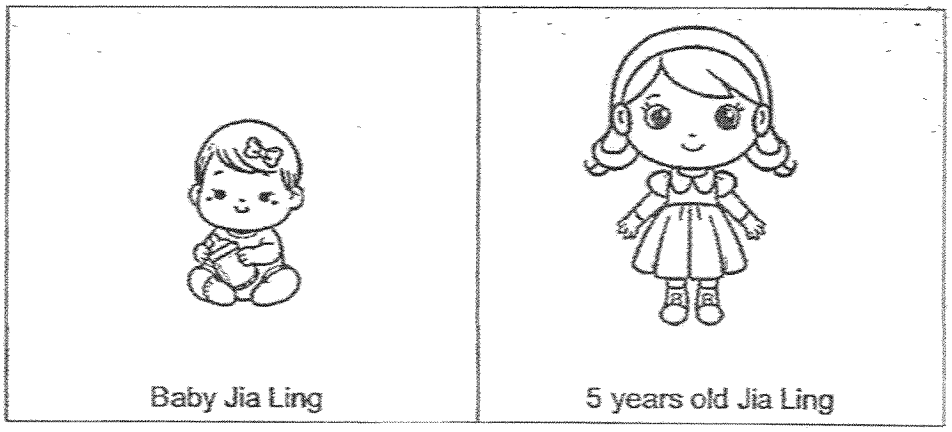
Parent's Signature : _____

Booklet A	36
Booklet B	24
Total	60

Section A (18 x 2 marks)

For each question from 1 to 18, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet.

1. The pictures below show Jia Ling 5 years ago and Jia Ling now.

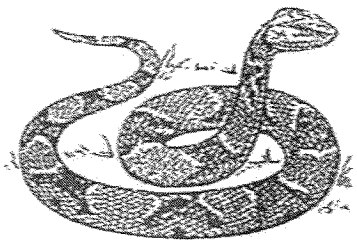


Baby Jia Ling | 5 years old Jia Ling

What characteristic of living things does the above pictures show?

(1) Living things grow.
(2) Living things reproduce.
(3) Living things need water to survive.
(4) Living things respond to changes around them.

2. Malcom saw an animal shown below.

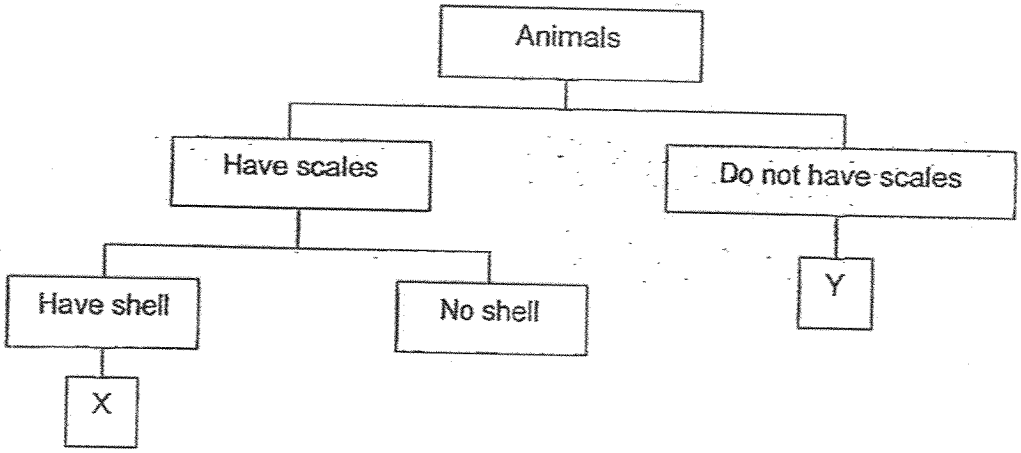


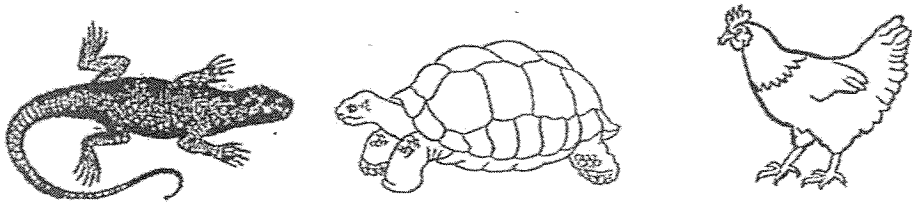
He knows that the animal belongs to the reptile group because it has _____.

(1) no legs
(2) no wings
(3) long body
(4) dry and scaly skin

(Go on to the next page)

3. Study the classification chart and the three animals P, Q and R.





P Q R

Which of the following shows the correct classification of animals in boxes X and Y?

	X	Y
(1)	R	P
(2)	Q	P
(3)	P	R
(4)	Q	R

(Go on to the next page)

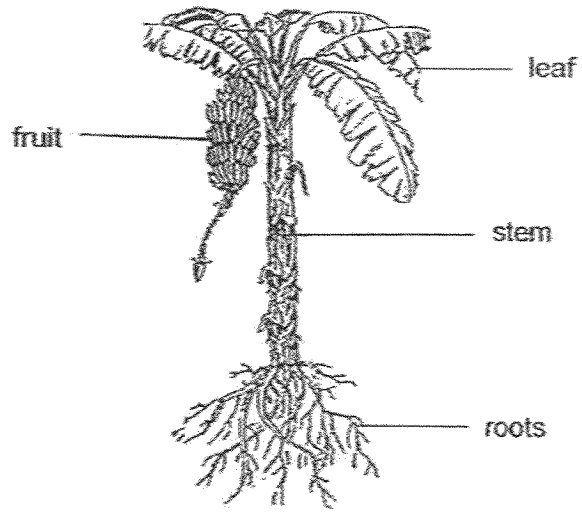
4. The table below shows the characteristics of animals R, S, T and U. A tick (✓) shows the characteristic of the animal.

Animals	Has wings	Has feathers	Produce milk for their young
R	✓	✓	
S			✓
T	✓		
U	✓		✓

Based on the table above which of the following statements is true?

(1) Animal R is an insect.
(2) Only animal S is a mammal.
(3) Animals R, T and U are birds.
(4) Both animals S and U are mammals.

5. The diagram below shows a plant.



Which part of the plant tells you that it is a flowering plant?

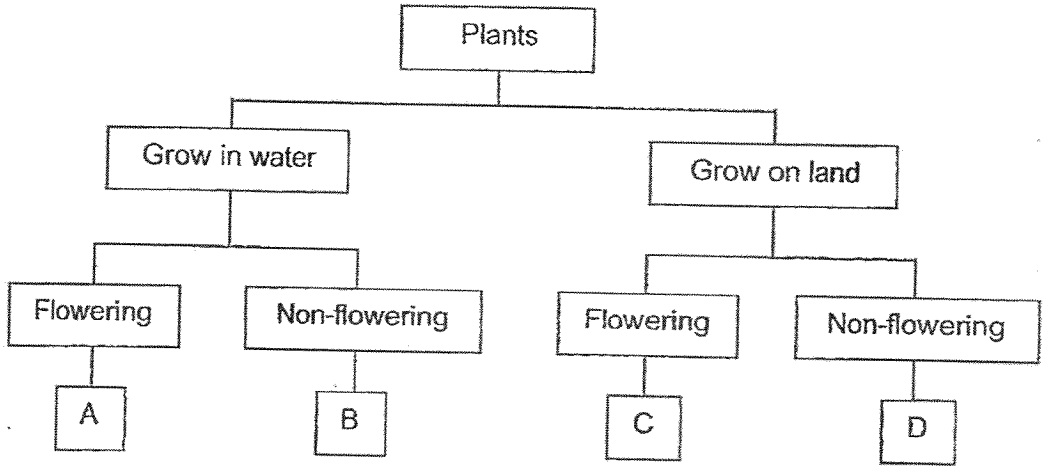
(1) leaf
(2) fruit
(3) stem
(4) roots

(Go on to the next page)

6. The following table shows some characteristics of two plants X and Y.

Characteristics	Plant X	Plant Y
Does it grow on land?	No	Yes
Does it reproduce by seed?	Yes	No

Study the classification chart below.



Which groups A, B, C or D do Plant X and Plant Y belong to?

	Plant X	Plant Y
(1)	A	C
(2)	B	D
(3)	A	D
(4)	B	C

7. Which statement about mushrooms and bacteria is correct?

(1) Both are fungi.
(2) Both make their own food.
(3) Both can be useful or harmful to us.
(4) Both can only be seen under a microscope.

(Go on to the next page)

8. Chen carried out an experiment with three similar pieces of bread, A, B and C. He placed the three pieces of bread in the same location for one week. The table below shows the conditions of each piece of bread . A tick (✓) means that the condition is present.

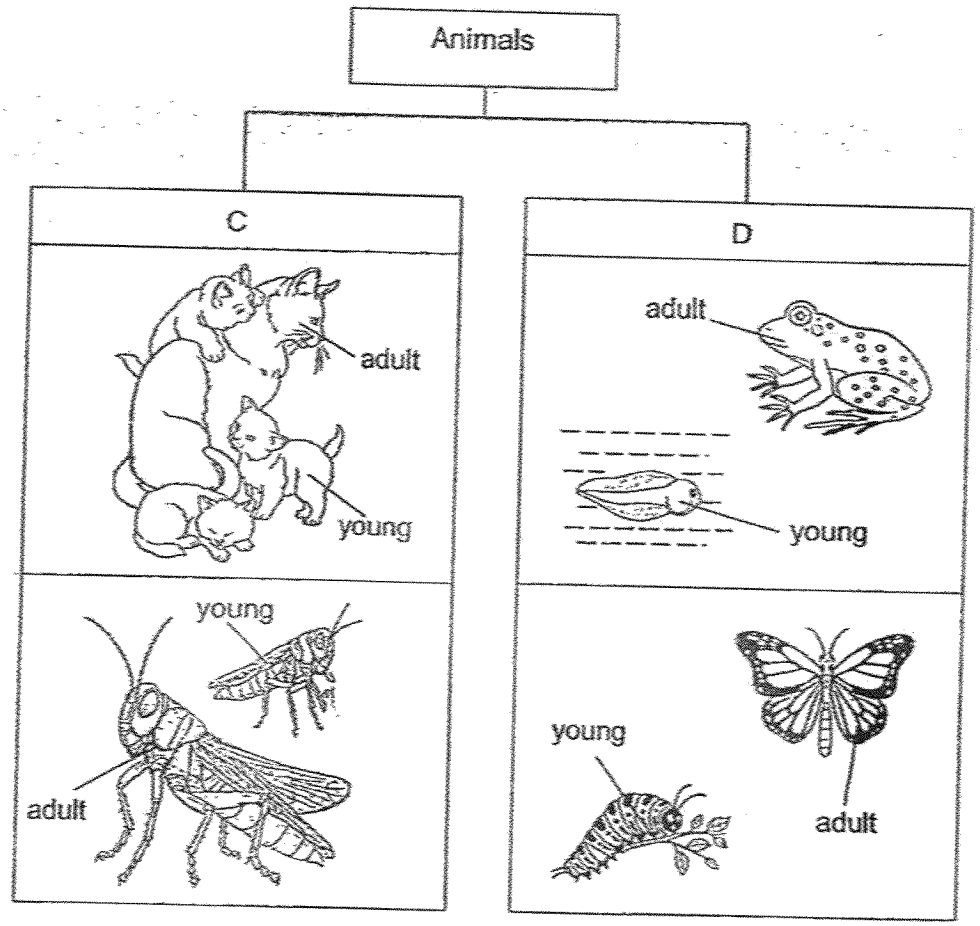
Bread	Conditions		
	Toasted	Presence of air	Sprayed with water
A		✓	
B		✓	✓
C	✓	✓	

Based on the table above, arrange the pieces of bread A, B and C, according to the amount of mould that would be growing on them after one week. Start with bread with the least mould.

	Least mould →		Most mould
(1)	A	B	C
(2)	B	C	A
(3)	B	A	C
(4)	C	A	B

(Go on to the next page)

9. Some animals were classified in the diagram below.



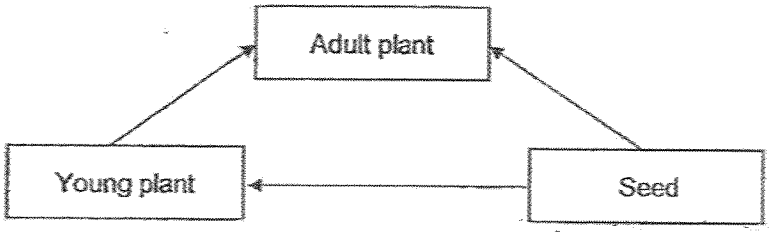
Based on the diagram above, which of the following could headings C and D be?

	C	D
(1)	live on land	live in water
(2)	young looks like adults	young does not look like adults
(3)	three stage life cycle	four stage life cycle
(4)	adults lay eggs	adults give birth to young alive

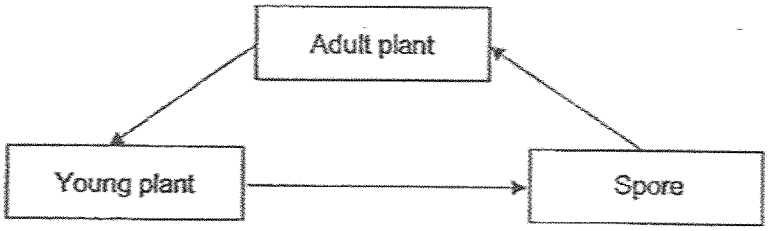
(Go on to the next page)

10. Which of the following shows the correct life cycle of a flowering plant?

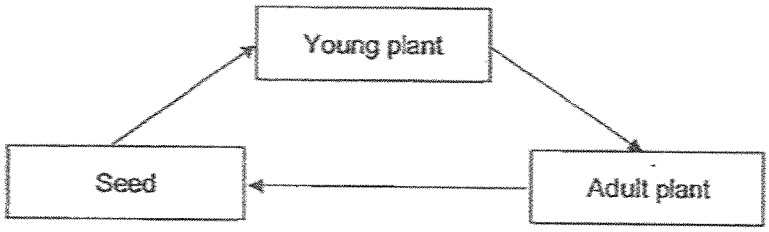
(1)



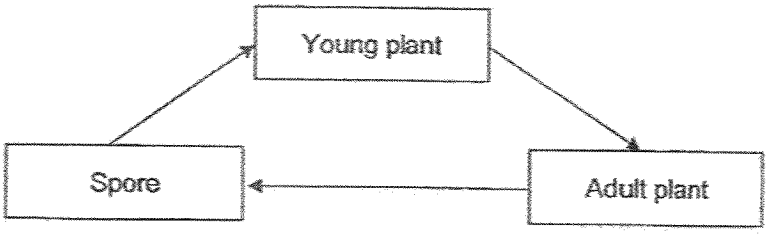
(2)



(3)

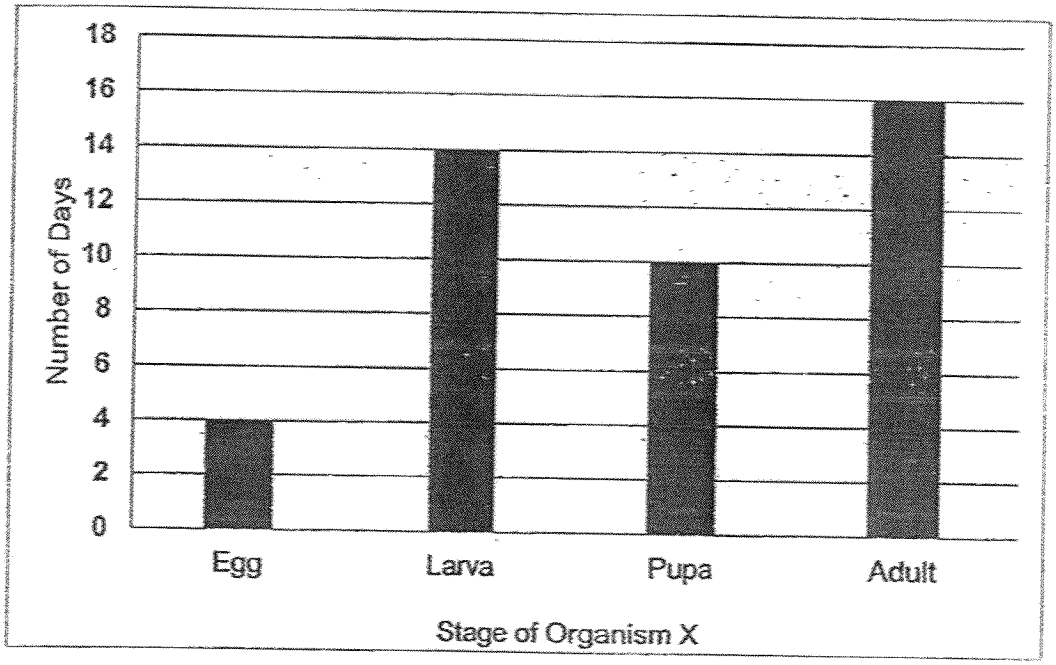


(4)



(Go on to the next page)

11. Kenneth observed the life cycle of a organism X over 45 days. The table shows the number of days the organism X was found in each stage of its life cycle.

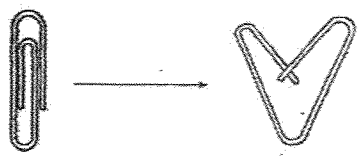


How many days did the organism X take to turn into an adult after the egg hatched?

(1) 10
(2) 14
(3) 16
(4) 24

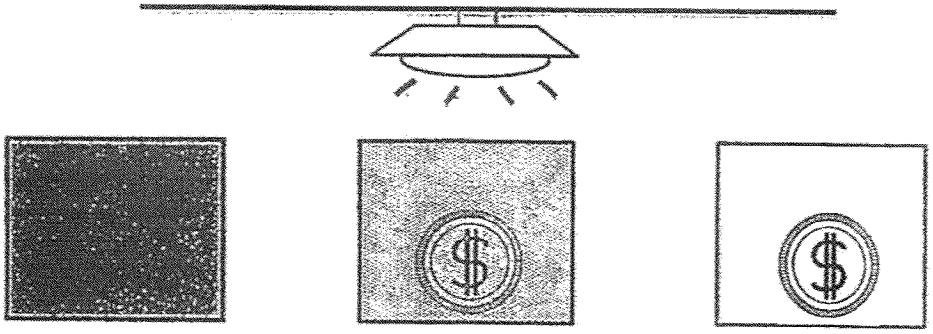
(Go on to the next page)

12. Aisha bent a large paper clip to form the shape of a heart. She can do this action because the paper clip is made of a _____ material.



(1) strong
(2) flexible
(3) waterproof
(4) transparent

13. The diagram below shows what could be observed when a coin was placed in boxes made of different materials, P, Q and R.



material P

Cannot see the coin

material Q

Can see the coin faintly

material R

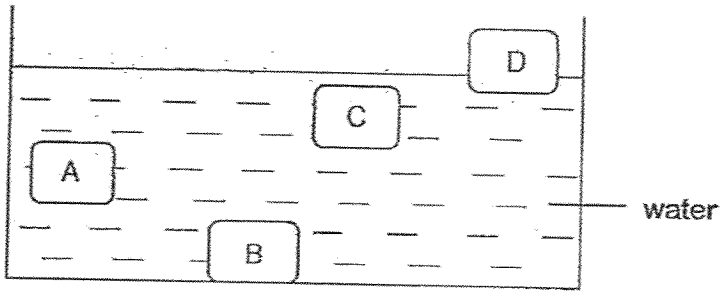
Can see the coin clearly

Which of the following correctly describe materials P, Q and R?

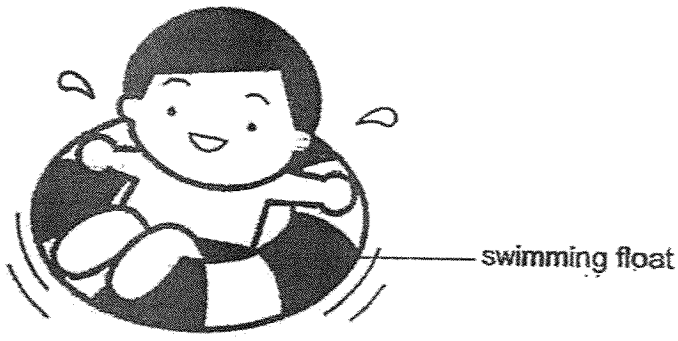
	Do not allow light to pass through	Allow light to pass through
(1)	P	Q, R
(2)	P, Q	R
(3)	R	P, Q
(4)	R, Q	P

(Go on to the next page)

14. Susan conducted an experiment using four blocks made of different materials, A, B, C and D. She pushed the blocks into a container of water and observed the positions of the blocks after 5 minutes. The results of the experiment as shown below.



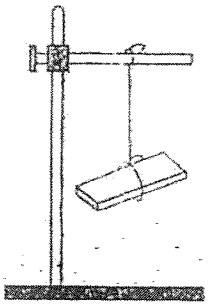
Based on the results of the experiment, which material, A, B, C or D, is most suitable for making the swimming float as shown below?



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

(Go on to the next page)

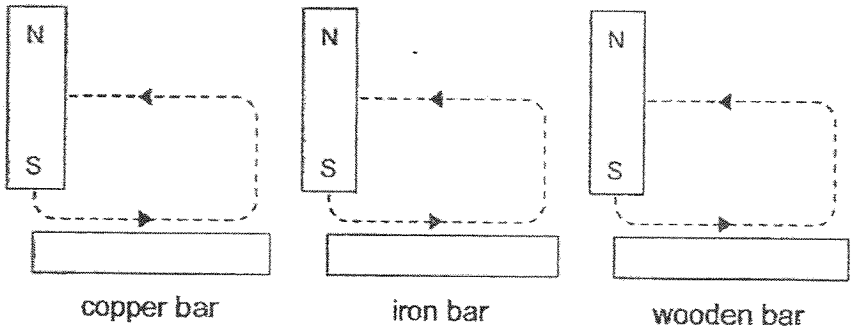
15. The diagram shows a freely suspended bar magnet.



The bar magnet is pointing in the _____ direction when at rest.

(1) east-west
(2) north-east
(3) south-west
(4) north-south

16. John stroked three bars with the same magnet in the directions as shown below.



Which bar(s) can attract pins after thirty strokes?

(1) iron bar only
(2) copper bar only
(3) iron bar and wooden bar only
(4) copper bar, iron bar and wooden bar

(Go on to the next page)

17. The diagram below shows a bar magnet divided into four parts, A, B, C and D.

Which of the following tables shows the most likely number of paper clips attracted by each part of the magnet?

(1)

Part of the magnet	A	B	C	D
Number of paper clips attracted	15	9	16	12

(2)

Part of the magnet	A	B	C	D
Number of paper clips attracted	11	4	2	13

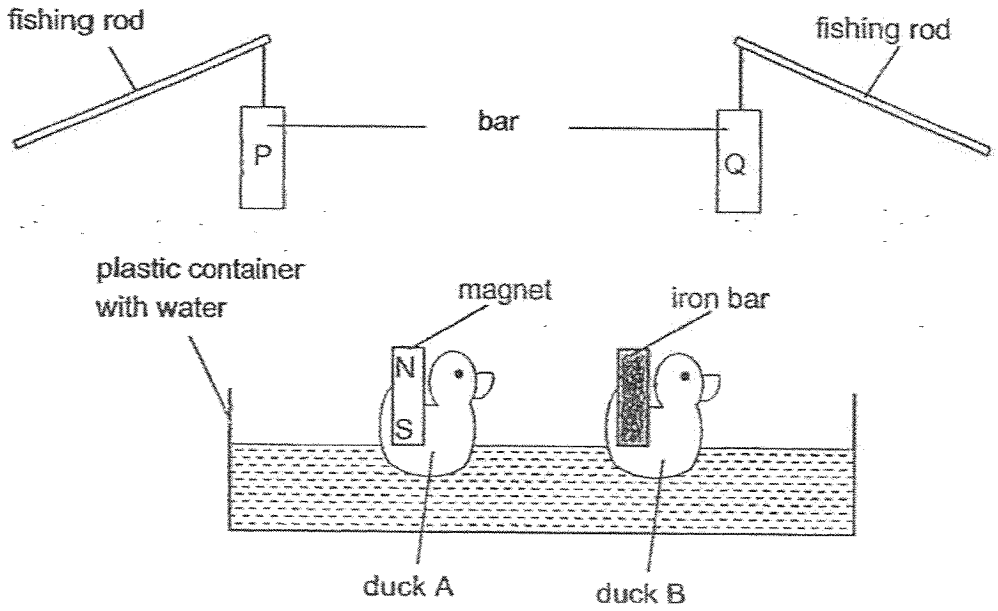
(3)

Part of the magnet	A	B	C	D
Number of paper clips attracted	6	5	10	14

(4)

Part of the magnet	A	B	C	D
Number of paper clips attracted	15	9	13	7

18. John made a game using the objects shown below.



The lower end of each bar was used for catching the toy duck.
Bar P could catch both duck A and B.
Bar Q could catch duck A only.

Which of the following shows what bar P and Q could be?

(1)	P: N / S magnet; Q: N / S magnet	(2)	P: N / S magnet; Q: iron bar
(3)	P: iron bar; Q: N / S magnet	(4)	P: iron bar; Q: iron bar

End of Booklet A

AI TONG SCHOOL

2025 END-OF-YEAR EXAMINATION
PRIMARY THREE SCIENCE

(BOOKLET B)

27 OCTOBER 2025

Total time for booklets A and B : 1 h 10 min

INSTRUCTIONS

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

Name : _____ ( )

Class : Primary _____

Parent's Signature : _____

/ 24

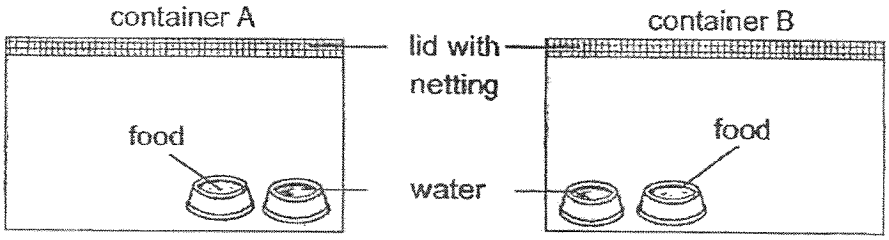
Section B: 24 marks

For questions 19 to 26, write your answers in this booklet. The number of marks available is shown in brackets [ ] at the end of each question or part question.

19. (a) What do living things need to survive? [1]

_____

Kelly had two similar containers, A and B as shown below. She placed the same amount of water and food in each container.



Kelly classified some things she found in the garden into the two containers. After five days, she recorded her observations on the table below.

Container	Observations
A	Amount of food and water decrease.
B	Amount of food and water remained the same

(b) Based on the observations, which container, A or B, contained living things and non-living things? [1]

(i)	Living things:	Container _____
(ii)	Non-living things:	Container _____

(c) Kelly found a thing in her room. The thing moved away in fright on its own when she touched it. Is the thing a living thing or non-living thing? Explain your answer. [1]

_____

_____

(Go on to the next page)

20. Raj wants to find out if the amount of water affects plant growth. He placed the two pots of plants in the garden and watered each pot with different amounts of water daily. He then recorded the height of each plant after 15 days in the table below.

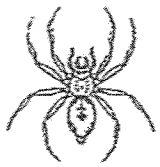
Pot	Amount of water given daily (ml)	Height of plant on day 1 (cm)	Height of the plant on day 15 (cm)
P	100	10	12
Q	150	10	17

(a) Identify the following variables in the experiment. [2]

Changed variable: _____

Measured variable: _____

Raj spotted animal X in one of the pots.



animal X

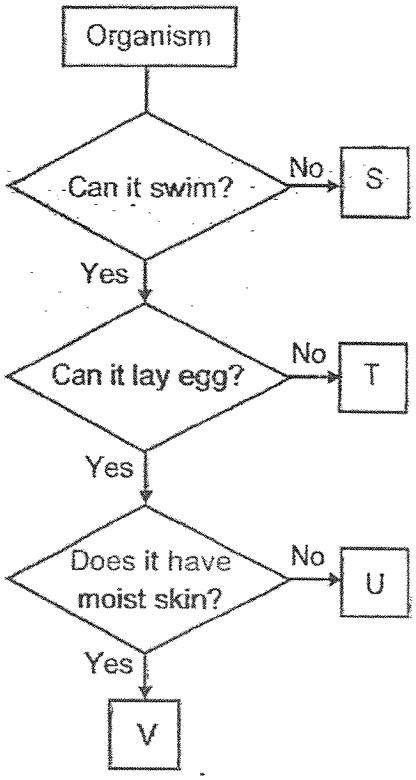
(c) Raj wants to find out if animal X is an insect. What are the possible action(s) he can take to confirm if it is an insect? Put a tick (✓) in the table below. [1]

Actions	Tick (✓)
Measure its length	
Check to see if it has wings	
Check to see if it has feelers	
Check to see if it has six legs	
Check to see if it has three body parts	

(Go on to the next page)

3

21. Study the flowchart below carefully.



(a) State a difference between organism T and U. [1]

_____

_____

(b) Which animal group does organism V belong to? [1]

_____

(c) State one other characteristic special to the animal group stated in (b). [1]

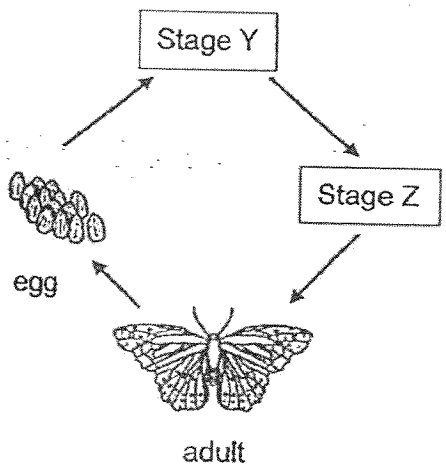
_____

_____

(Go on to the next page)

3

22. Susan saw some insect A in her vegetable garden. She studied its life cycle and drew a diagram to represent it as shown below.



(a) Name these stages. [1]

Stage Y: _____

Stage Z: _____

(b) Susan observed that insect A has shed some dry skin at stage Y.
Name the process that has taken place at this stage. [1]

_____

(c) Susan claimed that insect A can be harmful to her vegetable garden at stage Z.
Do you agree with her? Explain your answer. [1]

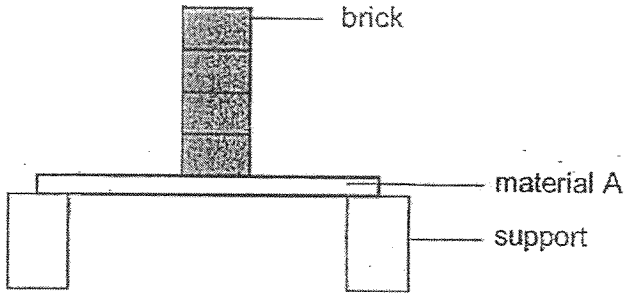
_____

_____

(Go on to the next page)

3

23. Ravi set up an experiment with materials A, B, C and D of similar size and thickness, as shown below.

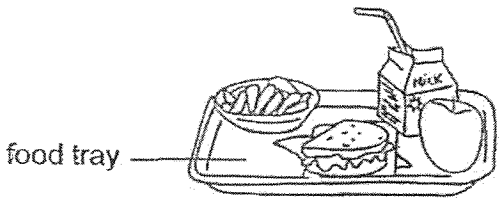


A brick was added one at a time on material A until it breaks. Ravi repeated the experiment using materials B, C and D of similar size and thickness. He then recorded his results in the table below.

Material	A	B	C	D
Number of bricks needed to break the material	2	4	1	6

(a) Which property is Ravi testing in his experiment? [1]

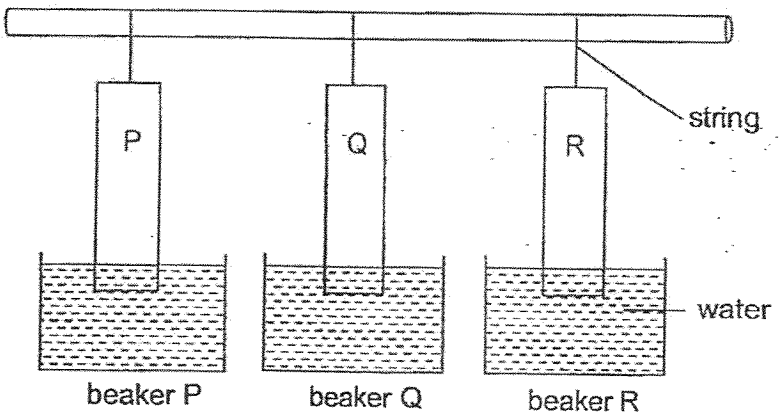
(b) Based on the results of the experiment, which material, A, B, C or D, is most suitable for making the food tray as shown below? Explain your answer. [1]



(Go on to the next page)

2

24. Betty conducted an experiment using three different strips of materials, P, Q and R of the same size. She dipped one end of each material into a beaker containing 300 ml of water as shown below.



After 20 minutes, she removed the materials and measured the amount of water left in each beaker. She then recorded the results in the table below.

Beaker	Amount of water left in the beakers (ml)	
	At the start of the experiment	After 20 minutes
P	300	100
Q	300	300
R	300	180

(a) Arrange the materials P, Q, and R in order, starting from the most absorbent. [1]

_____, _____, _____,

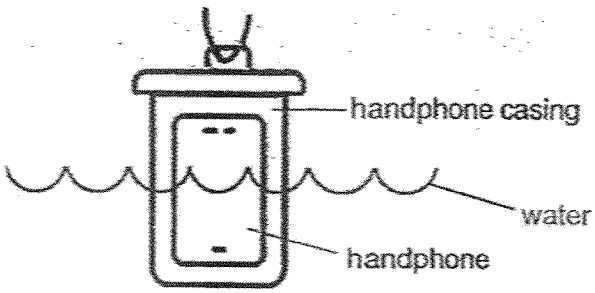
most absorbent least absorbent

Question 24 continues on the next page.

1

Continues from previous page.

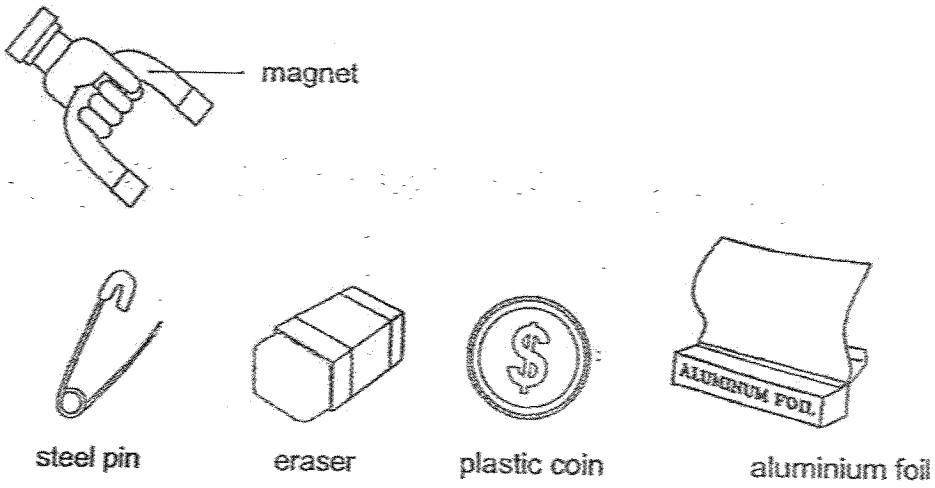
(b) Based on the results, which material, P, Q or R is most suitable for making handphone casing that Betty can using when she swims? Explain your answer. [1]



(Go on to the next page)

1

25. Ethan moved a U-shaped magnet over several objects as shown below.



steel pin eraser plastic coin aluminium foil

(a) Classify the objects using the table below. [2]

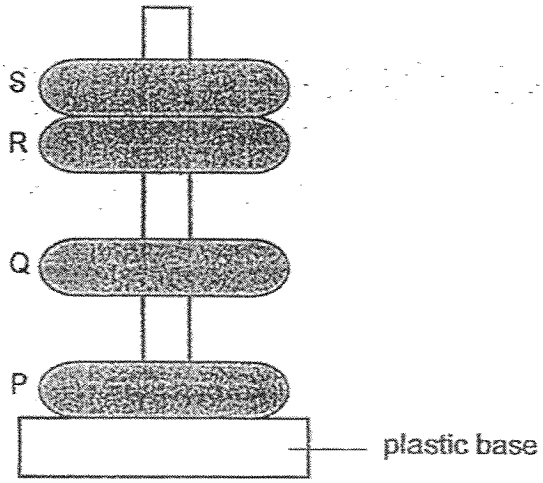
Objects	
Can be attracted to the magnet	Cannot be attracted to the magnet

Question 25 continues on the next page.

2

Continues from previous page.

Ethan conducted another experiment during his science lesson using four rings, P, Q, R and S as shown below.

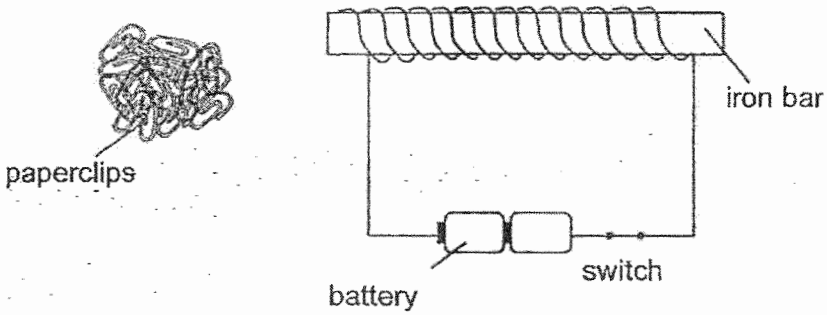


(b) Based on the diagram above, put a tick (✓) in the correct box for each of the statement. [2]

Statements	Definitely true	Definitely false	Not possible to tell
P is made of a magnetic material.			
S is made of non-magnetic material.			
Q is not a magnet.			
S and R are attracted to each other.			

(Go on to the next page)

26. Hassan used the set-up shown to find out the strength of an electromagnet.



He increased the number of turns of wire around the iron bar and observed the number of paperclips atttracted to the iron bar. His results are as shown in the table below.

Number of turns of wire	Number of paperclips attracted to the electromagnet
10	0
25	6
50	10

(a) Explain why no paper clips were attracted to the electromagnet with ten turns of wire around the iron bar. [1]

_____

(b) Explain how does using the same type of paperclip ensures that the experiment is a fair one. [1]

_____

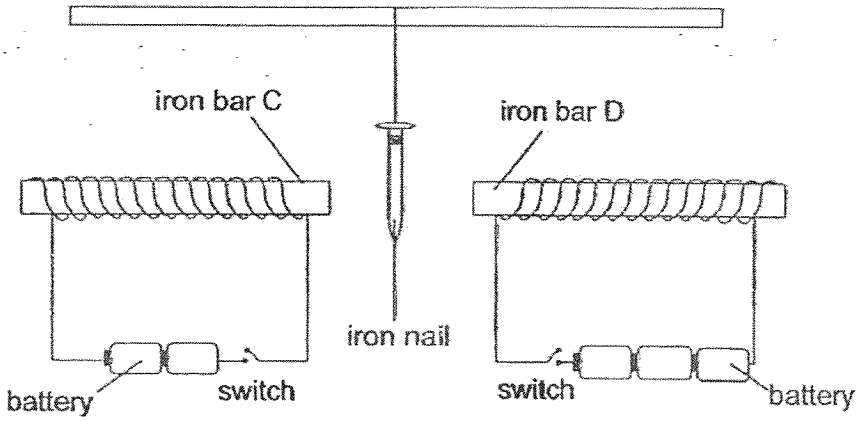
_____

Question 26 continues on the next page.

2

Continues from previous page.

Hassan set up another experiment as shown below. A iron nail is freely suspended in the middle, between a iron bar C and an iron bar D.



(c) Hassan observed that the iron nail moved towards iron bar D when both switches were closed at the same time. Give a reason for his observation. [2]

_____

_____

_____

END OF PAPER

YEAR : 2025
LEVEL : PRIMARY 3
SCHOOL : AI TONG SCHOOL
SUBJECT : SCIENCE
TERM : END OF YEAR EXAMINATION

(BOOKLET A)

Q1	1	Q2	4	Q3	4	Q4	4	Q5	2
Q6	3	Q7	3	Q8	4	Q9	2	Q10	3
Q11	4	Q12	2	Q13	1	Q14	4	Q15	4
Q16	1	Q17	2	Q18	2				

P3 EOY Science Correction Template

Name: _____ Date: _____

Class: _____

Fill in the blanks.

19a	Air, food and water
19b	Living things: Container A Non-living things: Container B
19c	Choice: Living thing Explain: It can respond to changes around it.
20a	Changed variable: amount of water Measured variable: height of plant
20b	<table><tr><th>Actions</th><th>Tick (✓)</th></tr><tr><td>Measure its length</td><td></td></tr><tr><td>Check to see if it has wings</td><td></td></tr><tr><td>Check to see if it has feelers</td><td></td></tr><tr><td>Check to see if it has six legs</td><td>✓</td></tr><tr><td>Check to see if it has three body parts</td><td>✓</td></tr></table>
21a	Organism U lay eggs but organism T give birth to young alive
21b	Amphibian
21c	It can live both on land and in water

22a	Stage Y: Larva Stage Z: Pupa
22b	Moulting
22c	Choice: NO Explain: Insect A does not eat at stage Z.
23a	Strength
23b	Choice: Material D Data: The number of bricks needed to break D is the most. Explain: D is the strongest.
24a	P: most absorbent R Q: least absorbent
24b	Choice: Material Q Data: It is waterproof / does not absorb water.
25a	**Group M/N: Magnetic** - Steel pin **Group M/N: Non-magnetic** - Eraser - Aluminium foil - Plastic coin

25b	**Statements**	**Definitely true**	**Definitely false**	**Not possible to tell**
	P is made of a magnetic material	✓		
	S is made of non-magnetic materials			✓
	Q is not a magnet.		✓	
	S and R are attracted to each other			✓
26a	The **magnetic force** is ___weak___.			
26b	To ensure that there is only ___one changed variable___ in the experiment.			
26c	Data: Iron bar D has ___more___ batteries in the circuit. Explain: Iron bar D is a ___stronger___ electromagnet.			

END