

St Hilda's Primary School
Primary 3
Science
Term 3 Weighted Assessment, 2025

Section A	22
Section B	8
Total Score	30

Name: _____ ()

Class: P3 / _____

Duration: 45 minutes

Total no. of pages: 11

Date: _____

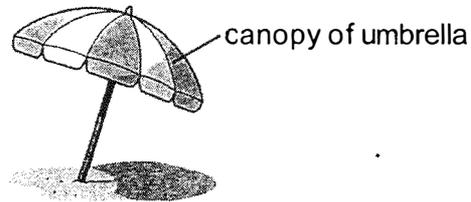
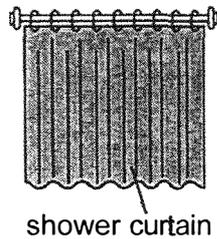
Section A: 22 Marks

Parent's Signature: _____

For questions 1 to 11, write your answer (1, 2, 3 or 4) in the bracket provided.

[2 marks each]

1 Study the diagram below.



Which of the following properties should the shower curtain and the canopy of the umbrella have?

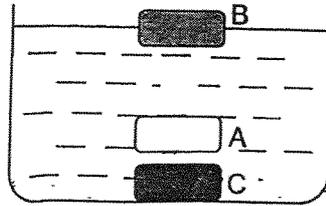
- A They are flexible.
- B They are waterproof.
- C They allow light to pass through.

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

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SCORE	2
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- 2 Ali carried out an experiment using three different materials, A, B and C. The materials were placed in a container of water as shown below.

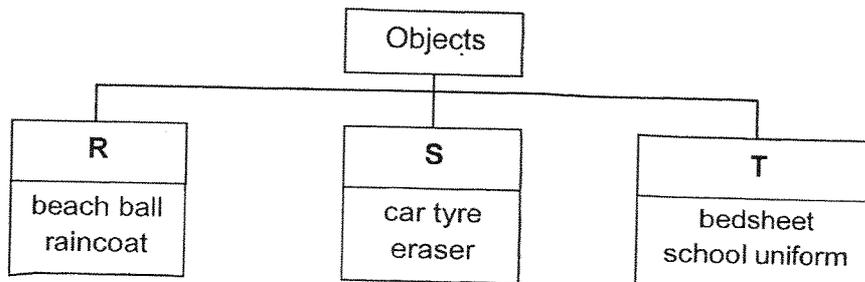


Which property of the material is Ali testing?

- (1) strength
- (2) flexibility
- (3) transparency
- (4) ability to float or sink

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- 3 The classification table shows three groups of objects.



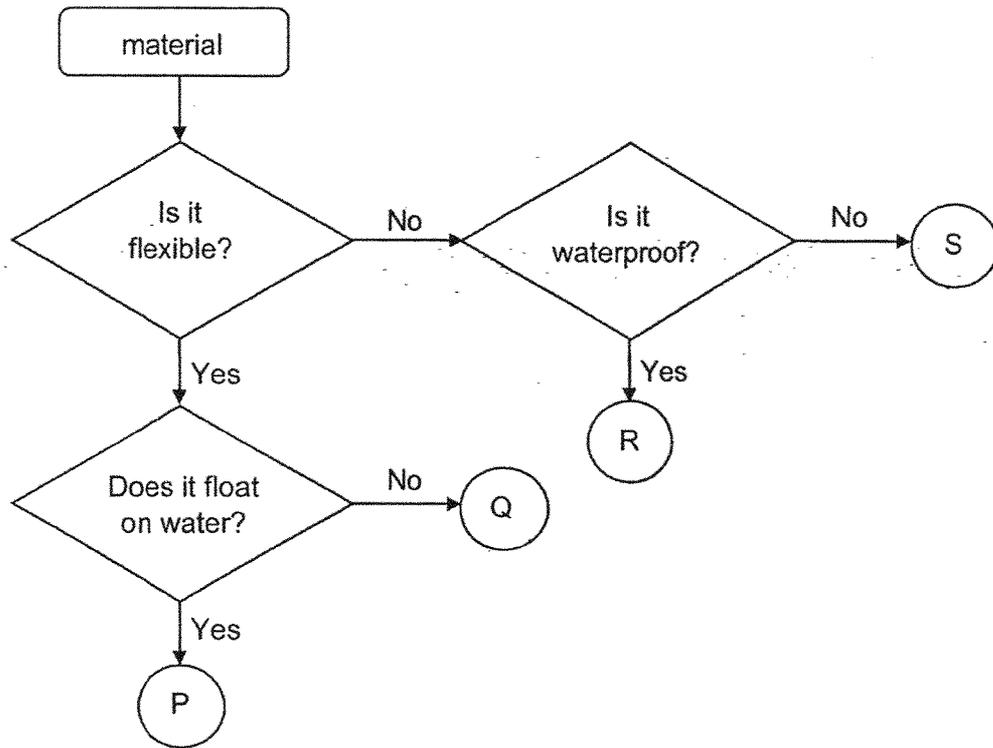
Which of the following materials do R, S and T represent?

	R	S	T
(1)	metal	rubber	plastic
(2)	rubber	plastic	metal
(3)	plastic	rubber	fabric
(4)	fabric	plastic	rubber

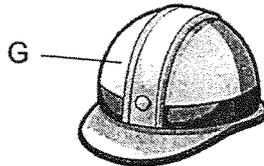
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SCORE	4
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4 Study the flowchart below.



Based on the flowchart, which material, P, Q, R and S, is most suitable for making part G of the safety helmet for the worker to wear during wet weather?

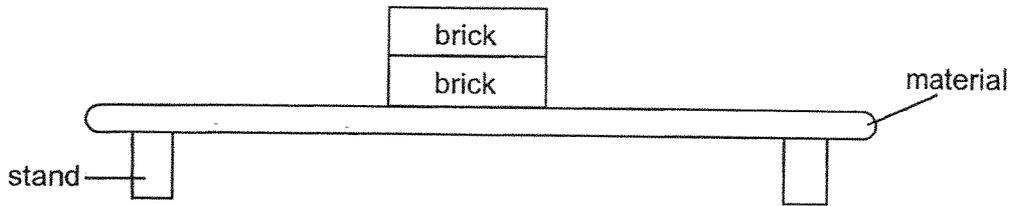


- (1) P
- (2) Q
- (3) R
- (4) S

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SCORE	/
	2

- 5 Mary used the set-up as shown below. She wanted to test the strength of materials A, B and C. She placed identical bricks one at a time on each material until it broke.



She recorded the results below.

Material	Number of bricks placed on the material before it broke
A	21
B	9
C	13

Which row shows the strongest and the weakest material?

	strongest material	weakest material
(1)	A	B
(2)	A	C
(3)	B	A
(4)	B	C

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- 6 Which of the following is/are magnetic materials?

- X Aluminium
- Y Copper
- Z Steel

- (1) X only
- (2) Z only
- (3) Y and Z only
- (4) X, Y and Z

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SCORE	4
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7 Which of the following objects uses a magnet?

(1)



umbrella

(2)



compass needle

(3)



table lamp

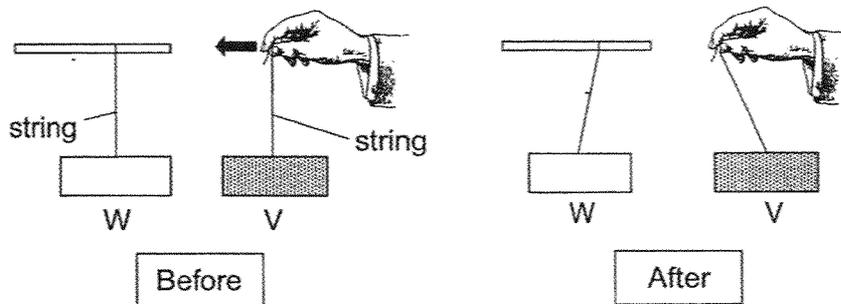
(4)



watering can

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8 W and V repelled when they are brought near each other as shown below.



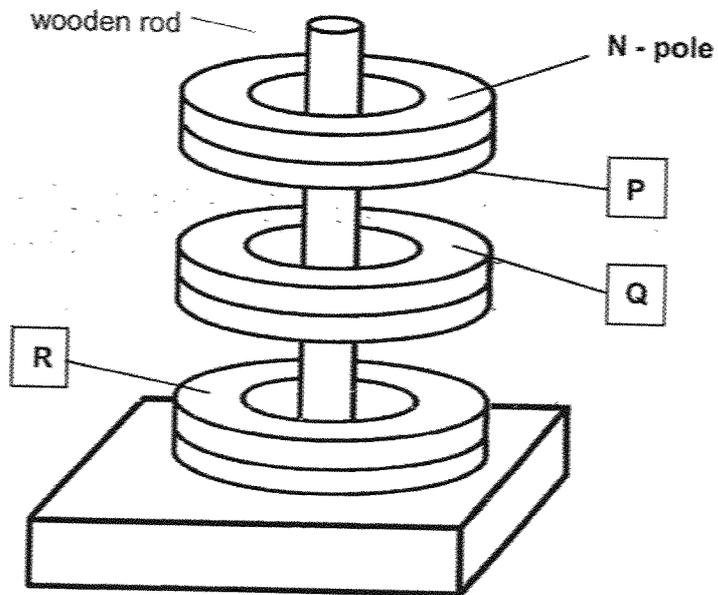
Based on the observation, which of the following is definitely true?

	W	V
(1)	magnet	magnet
(2)	magnet	not a magnet
(3)	not a magnet	magnet
(4)	not a magnet	not a magnet

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SCORE	4
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9 Jane placed three ring magnets through a wooden rod as shown below.



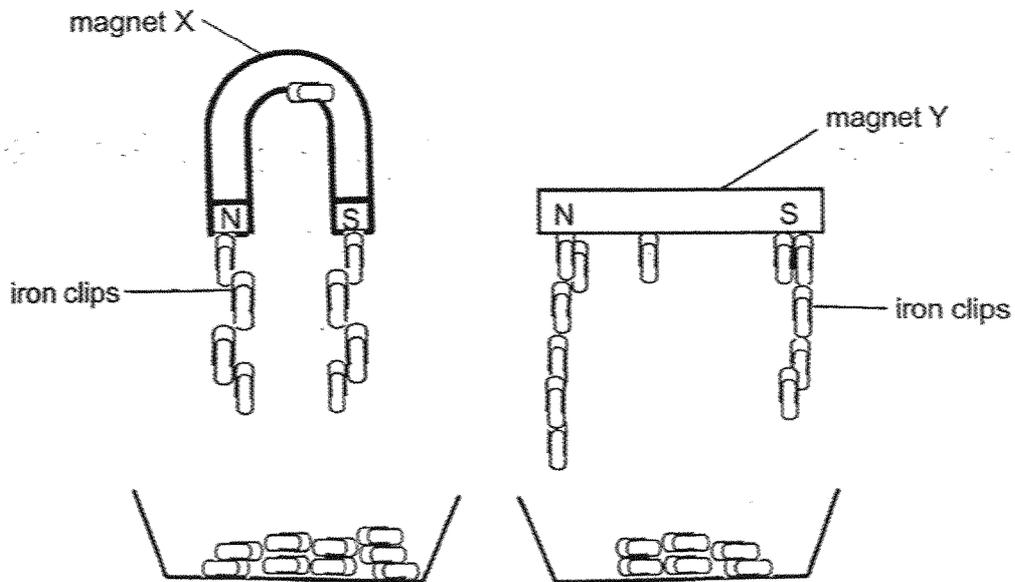
Which row shows the correct poles at P, Q and R of the ring magnets?

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

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SCORE	2
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- 10 Diana conducted an experiment using magnets, X and Y, of different shapes. She placed each magnet at the same distance above a tray containing identical number of iron clips. The diagrams below show her observation.



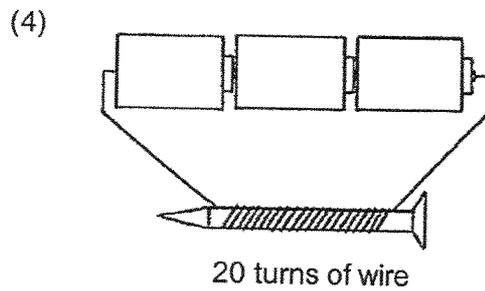
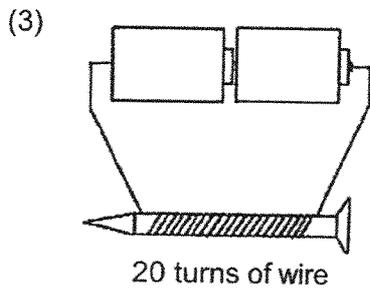
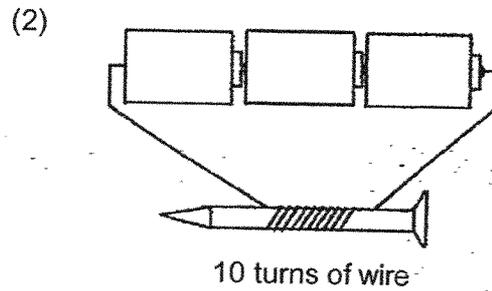
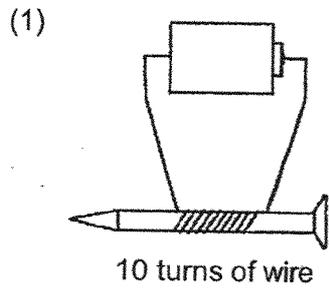
Based on her observations above, which of the following statements are correct?

- A The iron clips are made of magnetic materials.
 - B Magnet X and Y are equally strong.
 - C Magnet Y is stronger than magnet X.
 - D The magnet is strongest at its poles.
- (1) A and B only
(2) B and D only
(3) C and D only
(4) A, C and D only

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SCORE	2
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11 Peter wanted to make an electromagnet using the electrical method. Which one of the following set-ups should he use to make the strongest electromagnet?



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SCORE	2
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Section B: 8 marks

For questions 12 to 13, write your answers in this booklet.

The number of marks available is shown in brackets [] at the end of each question or part question.

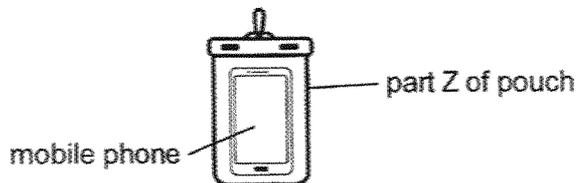
- 12 John conducted a few tests on materials Q, R and S to find out the properties of each material. He recorded the results in the table below.

Property	Material Q	Material R	Material S
Waterproof	Yes	No	Yes
Breaks when dropped	No	No	Yes
Allows most light to pass through	Yes	No	Yes

- (a) Which material could R and S be? [2]
Circle the correct answer.

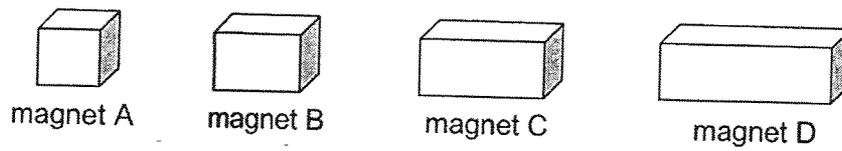
Material	Circle the correct material
R	(glass / plastic / fabric)
S	(glass / plastic / fabric)

John placed his mobile phone in the pouch as shown below. The pouch allowed him to read the messages on his mobile phone while keeping it dry in the water.



- (b) Which material Q or R is most suitable to make part Z of the pouch? [2]
Explain your answer.

- 13 Devi sets up an experiment using four magnets of different sizes A, B, C and D as shown.



Each magnet was lowered into a pile of iron nails and the number of iron nails attracted by each magnet was recorded in the table below.

Magnet	Number of iron nails attracted
A	20
B	12
C	16
D	8

- (a) State the aim of the experiment.

[1]

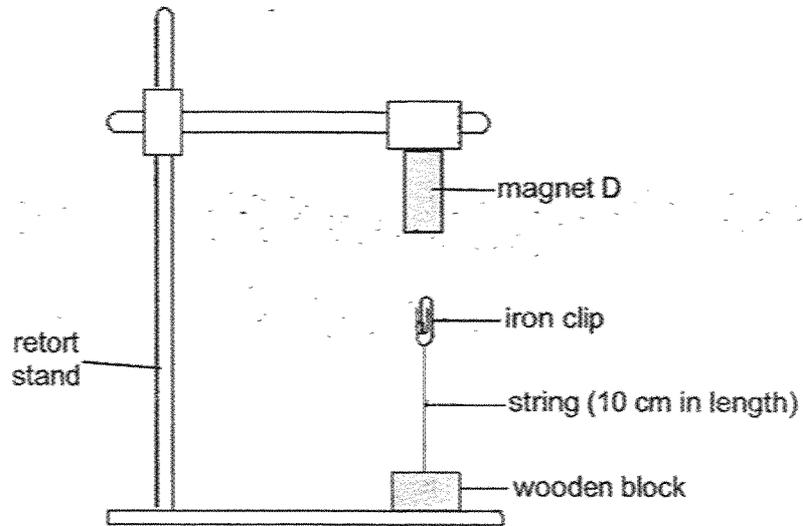
- (b) When carrying out the experiment, which variable(s) must be kept the same for a fair test? Tick (✓) the correct box(es).

Variables	Kept the same
Size of magnets	<input type="checkbox"/>
Number of iron nails attracted	<input type="checkbox"/>
Type of iron nails	<input type="checkbox"/>

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SCORE	2
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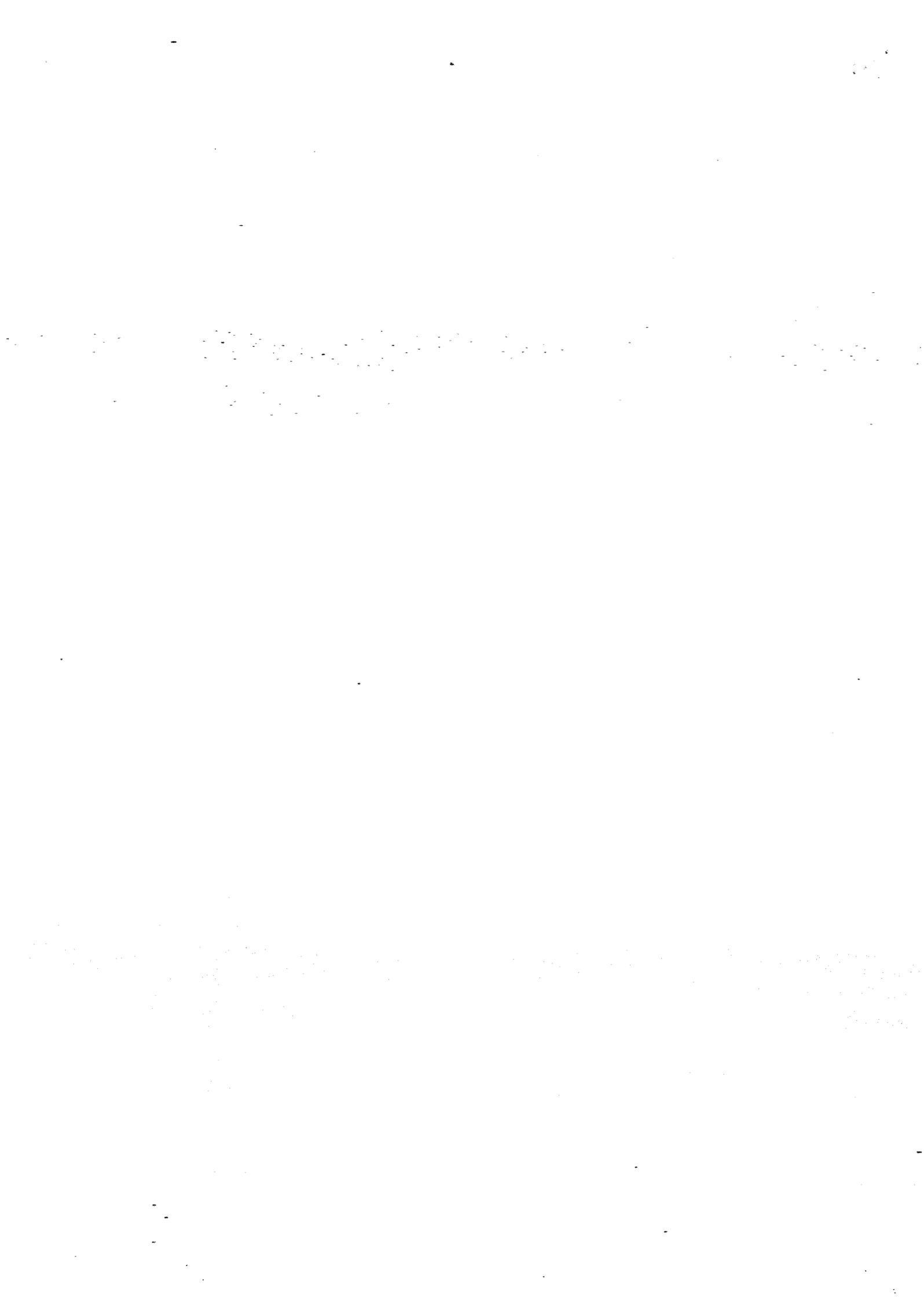
Devi attached magnet D to a retort stand. She tied an iron clip to a wooden block using a piece of string. She observed that the iron clip was pulled by magnet D as shown in the set-up below.



- (c) Should Devi use a stronger or weaker magnet if the string for the set-up above [2] is changed to only 5 cm in length? Explain your answer.

END OF PAPER

SCORE	2
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PRIMARY 3
TERM 3 WEIGHTED ASSESSMENT, 2025
SCIENCE

Simplified Answer Key

Section A

1.	2	6.	2	11.	4
2.	4	7.	2		
3.	3	8.	1		
4.	3	9.	3		
5.	1	10.	4		

Section B

This answer key only provides a reference and the key concepts have been underlined. Variations of students' answers have been accepted if they have shown conceptual understanding.

12(a)	Material	Circle the correct material
	R	(glass / plastic fabric)
	S	(glass / plastic / fabric)
12(b)	Material Q. Q <u>allows most light to pass through</u> and <u>does not absorb water</u> , so John can <u>read the messages while keeping the phone dry in water</u> .	
13(a)	The aim of the experiment is to find out if <u>the size of a magnet</u> will <u>affect the strength of the magnet</u> .	
(b)	Variables	Kept the same
	Size of magnets	
	Number of iron nails attracted	
	Type of iron nails	√
(c)	She should use a <u>stronger magnet</u> . A stronger magnet is able to <u>attract</u> the iron clip from a <u>further distance</u> .	