

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: _____

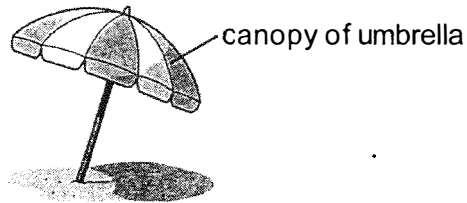
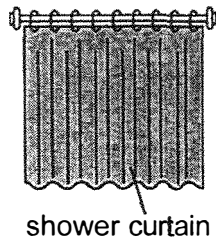
Section A: 22 Marks

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.



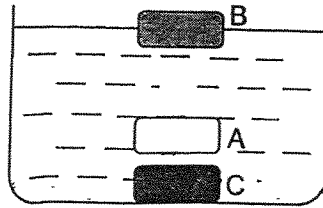
Which of the following properties should the shower curtain and the canopy of the umbrella have?

- 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.

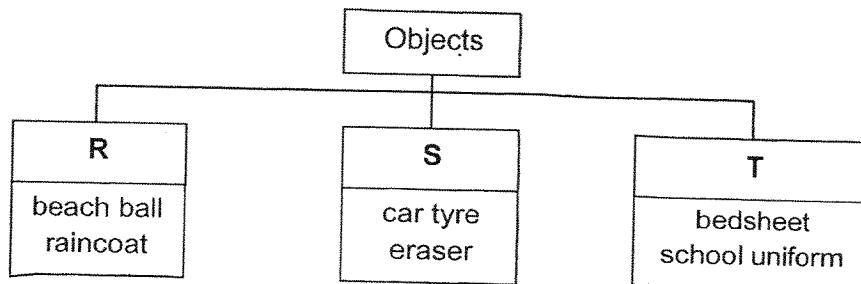


Which property of the material is Ali testing?

- (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.



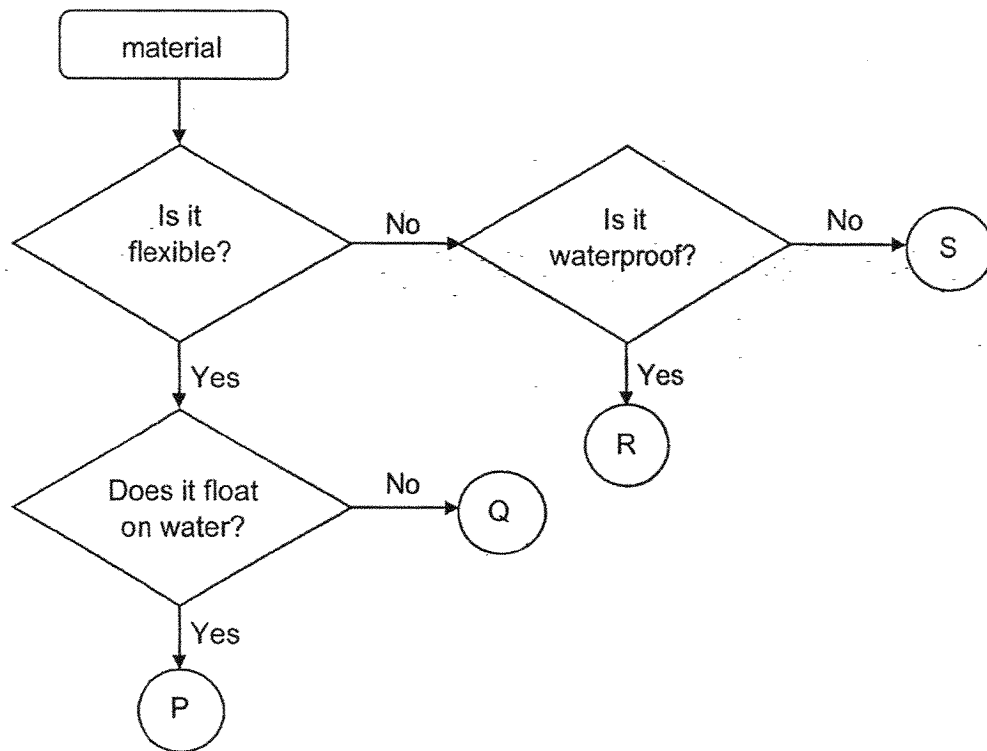
Which of the following materials do R, S and T represent?

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

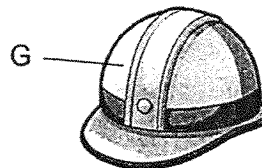
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SCORE	4
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4 Study the flowchart below.



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?

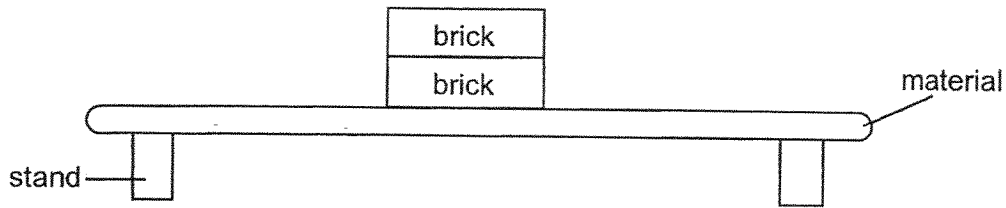


- (1) P
- (2) Q
- (3) R
- (4) S

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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)

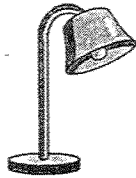
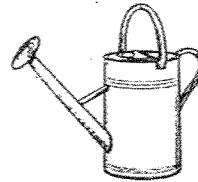


table lamp

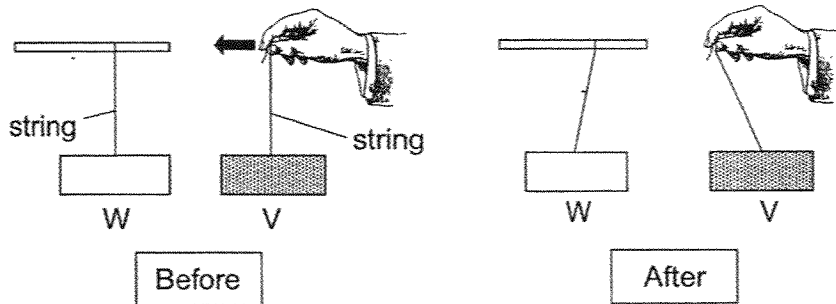
(4)



watering can

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



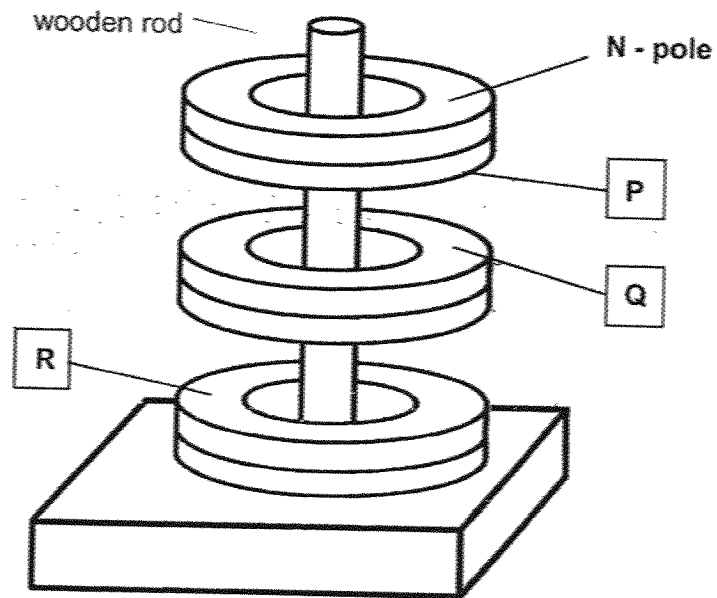
Based on the observation, which of the following is definitely true?

	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.



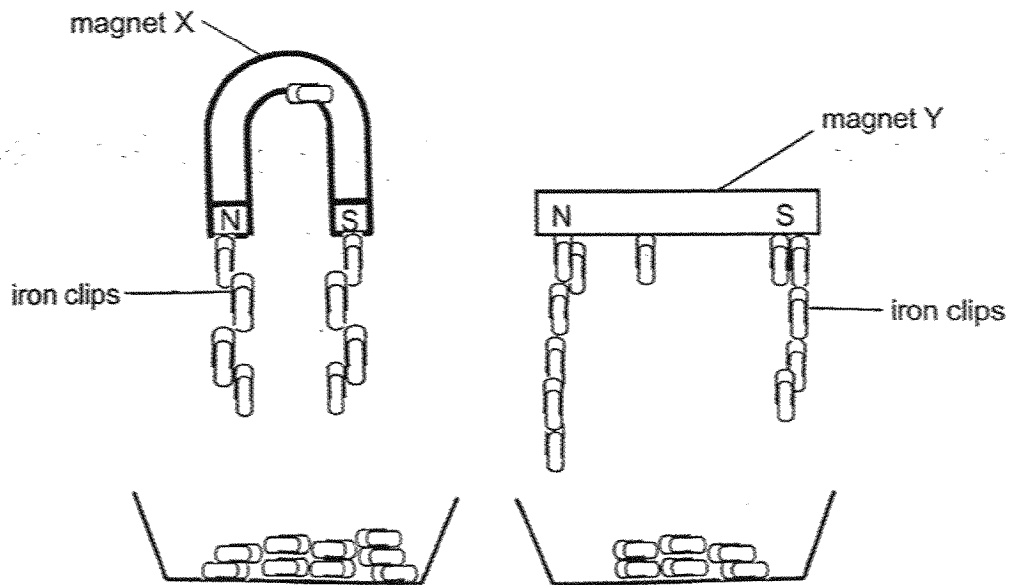
Which row shows the correct poles at P, Q and R of the ring magnets?

	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.



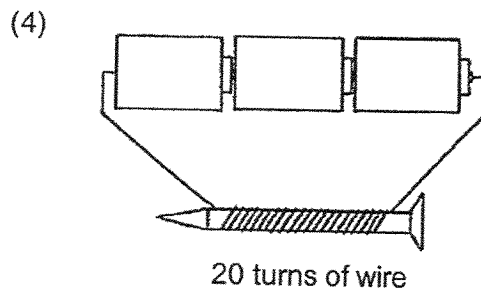
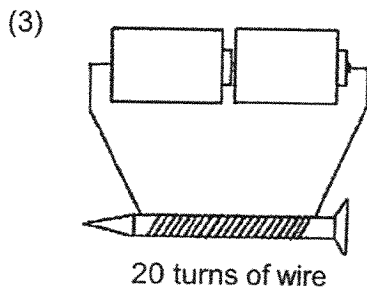
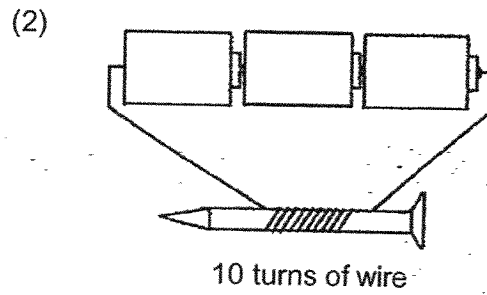
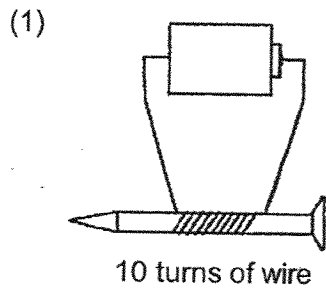
Based on her observations above, which of the following statements are correct?

- 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.

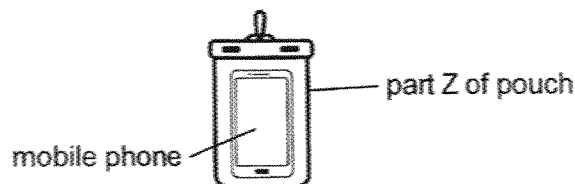
- 12 John conducted a few tests on materials Q, R and S to find out the properties of each material. He recorded the results in the table below.

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)

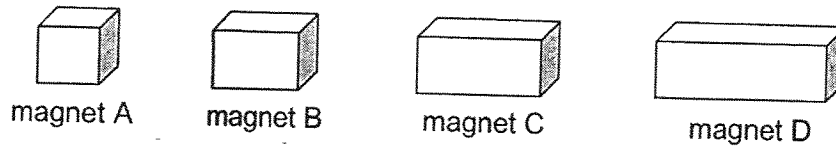
John placed his mobile phone in the pouch as shown below. The pouch allowed him to read the messages on his mobile phone while keeping it dry in the water.



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

SCORE	4
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- 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]

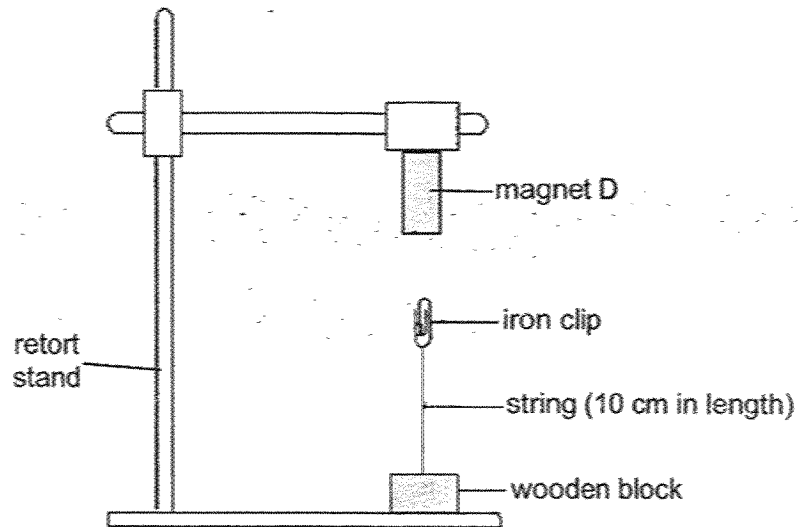
- (b) When carrying out the experiment, which variable(s) must be kept the same for a fair test? Tick (✓) the correct box(es). [1]

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"/>

(continues on next page)

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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SCHOOL : ST HILDA'S PRIMARY SCHOOL
LEVEL : PRIMARY 3
SUBJECT : SCIENCE
TERM : 2025 WEIGHTED ASSESSMENT 3

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	4	3	3	1	2	2	1	3	4
Q11									
4									

Q12(a)	R: plastic S: glass								
Q12(b)	Material Q. Q allows most light to pass through and does not absorb water, so John can read the messages while keeping the phone dry in water.								
Q13(a)	The aim of the experiment is to find out if the size of a magnet will affect the strength of the magnet.								
Q13(b)	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Variables</th> <th style="text-align: center;">Kept the same</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Size of magnets</td> <td></td> </tr> <tr> <td style="text-align: center;">Number of iron nails attracted</td> <td></td> </tr> <tr> <td style="text-align: center;">Type of iron nails</td> <td style="text-align: center;">✓</td> </tr> </tbody> </table>	Variables	Kept the same	Size of magnets		Number of iron nails attracted		Type of iron nails	✓
Variables	Kept the same								
Size of magnets									
Number of iron nails attracted									
Type of iron nails	✓								
Q13(c)	She should use a stronger magnet. A stronger magnet is able to attract the iron clip from a further distance.								

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