Al Tong School

Primary 5 Science

2025 Term 1 Review

20

Parent's Signature: _____

Name: _____( ) Class: P5 _____ Date: _____

Duration: 30 minutes

Section A (12 marks)

For each question from 1 to 6, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write your answer in the bracket provided.

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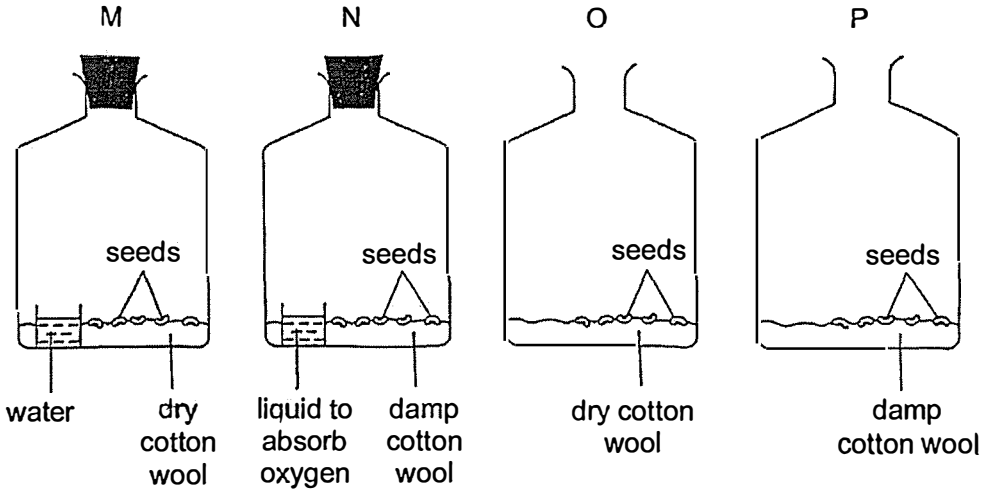
1. Similar seeds were placed in four identical bottles, M, N, O and P, at room temperature as shown.



In which set-up(s) would the seeds most likely germinate?

(1) P only
(2) M and O only
(3) N and P only
(4) M, N and O only

( )

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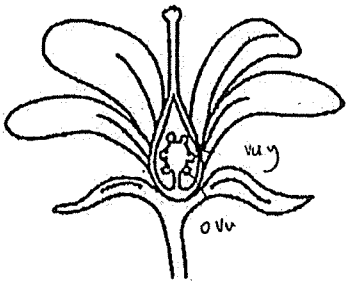
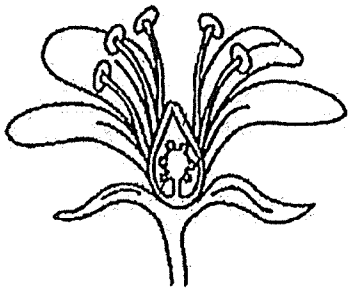
2. The diagrams show two flowers from the same plant. Some parts of flower A and flower B are removed as shown below.



flower A



flower B

Which of the following is correct?

	Parts removed from flower A	Parts removed from flower B	Conclusion
(1)	Stigma and style	anther and filament	Flower A can undergo fertilisation.
(2)	anther and filament	Stigma and style	Flower B can undergo pollination.
(3)	anther and filament	Stigma and style	Flower A can undergo pollination.
(4)	Stigma and style	anther and filament	Flower B can undergo fertilisation.

( )

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3. The table below shows the physical characteristics of Mr Tan and his family.

Characteristics	Mr Tan	Mrs Tan	Gerald (Son)	Carissa (Daughter)
hair length	short	long	short	short
natural hair type	wavy	straight	wavy	wavy
natural hair colour	black	brown	brown	black
eye colour	black	brown	brown	brown

Based on the table, which of the following statements are true?

A Gerald and Carissa inherited their hair type from their father.
B Gerald inherited his hair colour and eye colour from his mother.
C Carissa inherited her hair length and hair colour from her father.

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

( )

4. Which of the following statements regarding sexual reproduction in humans are true?

A The sperm cell is produced by the testes.
B The unfertilised egg will develop in the womb.
C Fertilisation occurs when a sperm fuses with an ovary.
D The developing baby will obtain digested food from the mother.

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

( )

(Go on to the next page)

5. Tessa wants to find out the effect of overcrowding on the growth of a balsam plant. She set up some pots shown below for the experiment.

Pot	Number of balsam seeds	Type of soil	Amount of soil
A	10	garden	100g
B	50	garden	200g
C	30	sandy	200g
D	30	garden	200g
E	10	garden	200g
F	30	sandy	100g

Which three pots should she use to carry out a fair test?

(1) A, B and D

(2) A, C and F

(3) B, C and E

(4) B, D and E

( )

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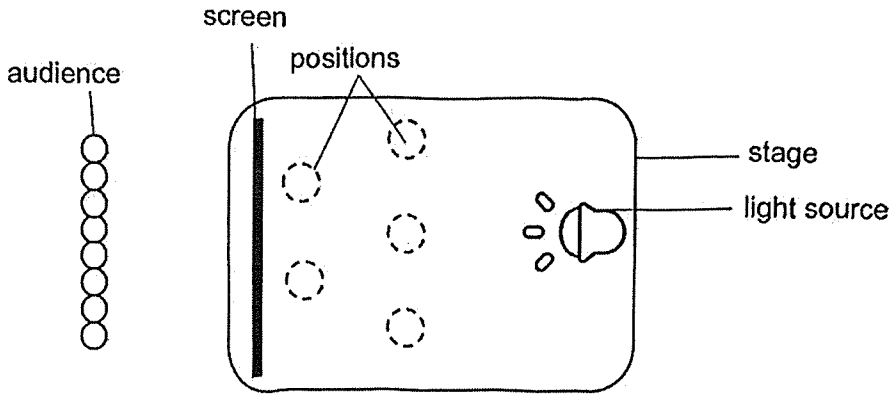
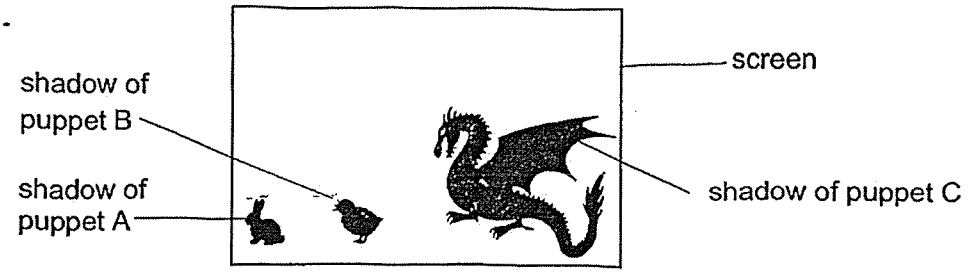
6. The diagram below shows the layout of a stage for a shadow puppet performance.

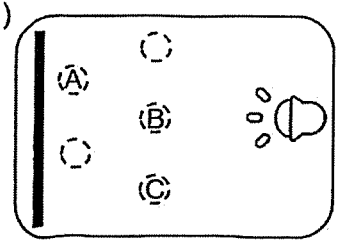


Three puppets of the same height were placed behind the screen at the start of the performance. The audience observed the following image on the screen.

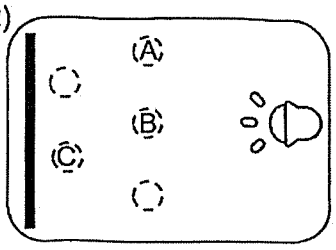


Which of the following shows the correct positions of puppets A, B and C?

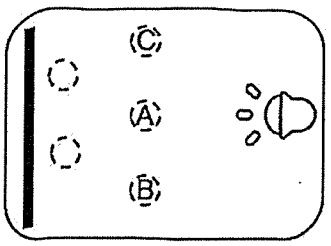
(1)



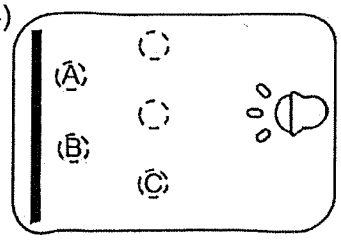
(2)



(3)



(4)



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Section B (8 marks)

For questions 7 to 9, write your answers in this booklet.

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

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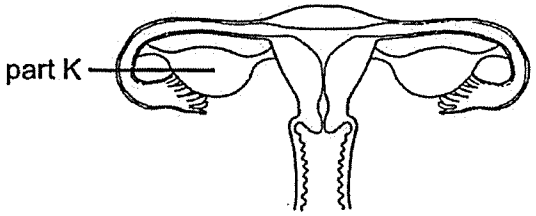
7. The diagram below shows the female reproductive system.



female reproductive system

(a) State the function of part K. [1]

(b) What is one similarity and one difference between sexual reproduction for humans and flowering plants? [2]

Similarity:

Difference:

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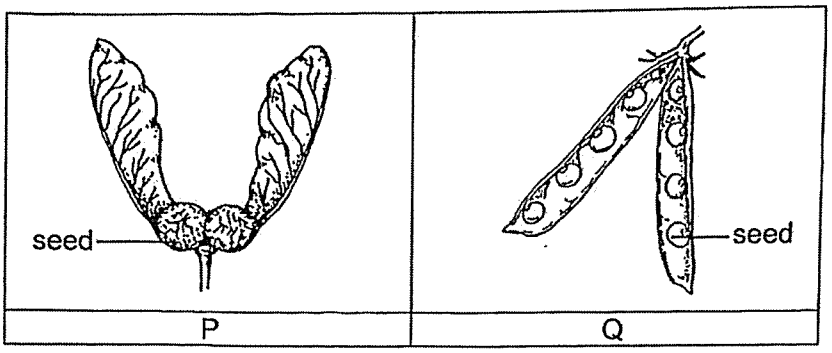
3

8. Ramy observed two fruits, P and Q, as shown below.



(a) She concluded that fruit P will be dispersed further from the parent plant than fruit Q.

Do you agree with her? Explain your answer. [2]

_____

_____

(b) State why it is important for the fruit to be dispersed far away from the parent plant. [1]

_____

_____

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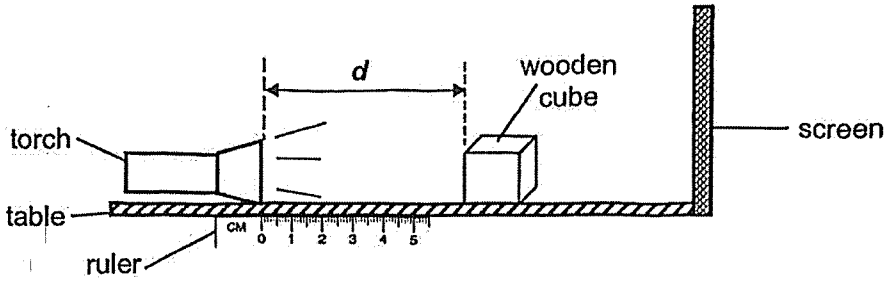
3

9. David set up an experiment to investigate how the distance ***d*** between a light source and a wooden cube affects the height of the shadow cast on a screen.



He varied distance ***d*** by moving the torch along the ruler. The results of his experiment were recorded in the table below.

Distance ***d*** between torch and wooden cube (cm)	5	10	15	20	25
Height of shadow on screen (cm)	56	**X**	48	44	40

(a) Suggest a possible value for **X**. [1]

_____ *cm*

(b) What is the relationship between the distance ***d*** and the height of the shadow cast on the screen? [1]

_____

_____

END OF PAPER

2

SCHOOL : AITONG SCHOOL
LEVEL : PRIMARY 5
SUBJECT : SCIENCE
TERM : WA1 2025

Q1)	1
Q2)	3
Q3)	1
Q4)	2
Q5)	4
Q6)	4
Q7)	a) To produce eggs. b) Similarity :Both human and plants need to undergo fertilization. Difference: Plants need to pollinate in order to undergo fertilization but humas do not need to pollinate to undergo fertilization.
Q8)	a) Yes. P has a wing-like structure to help it stay afloat in the air longer has a pod-like structure, so the fruit splits open and seeds fall nearer the parent plant. b) If it travels further away from the parent plant, it will reduce competition for space, water, light, and mineral salts.
Q9)	a)52 cm b)As the distance between the torch and the wooden cube increases, the light of the shadow cast on the screen decreases.