



Nan Hua Primary School  
Primary 3 Science  
Term 3 Weighted Assessment 2021

MARKS	
Sect A:	/ 10
Sect B:	/ 10
<b>Total :</b>	<b>/ 20</b>

Name : \_\_\_\_\_ ( )

Class : Primary 3 \_\_\_\_\_

Date : \_\_\_\_\_

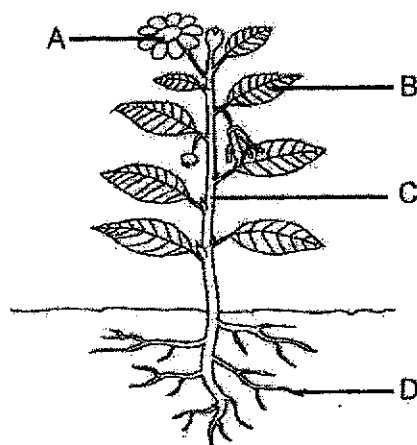
Parent's signature: \_\_\_\_\_

Answer all questions.

**Section A: (5 x 2 marks = 10 marks)**

For each question from 1 to 5, 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 brackets provided.

1 The diagram below shows a flowering plant.

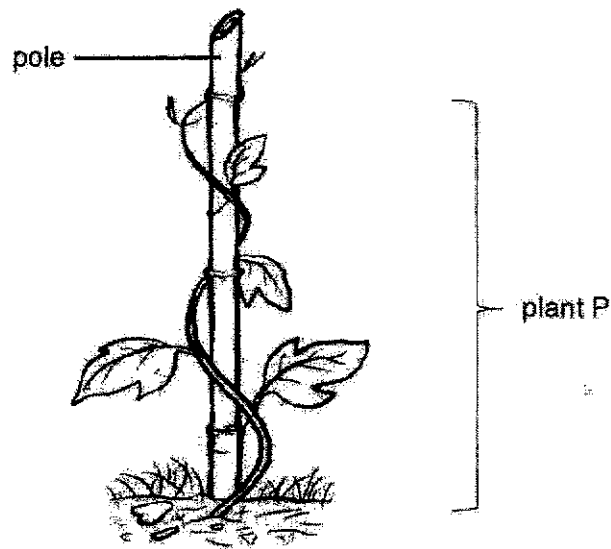


Which part, A, B, C or D, does the plant get its food from?

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

( )

- 2 Plant P has a weak stem and it grows on a pole for support as shown in the picture below.

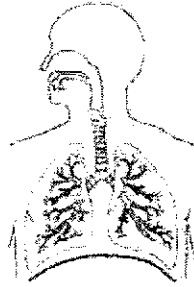


Which statement below about plant P is true when the pole is removed?

- (1) Plant P will die immediately.
  - (2) Plant P makes less food as it receives less sunlight.
  - (3) Plant P will not be able to absorb water from the ground.
  - (4) Plant P will grow a thicker stem to stand upright on its own. ( )
- 3 Mr Lim went for an operation to remove part of his large intestine due to a disease. Which of the following statements is true after his operation?

- (1) Food will take a longer time to be digested.
- (2) Food will take a longer time to be absorbed.
- (3) Undigested food will become drier and harder.
- (4) Undigested food cannot be turned into solid waste. ( )

- 4 Study the organ system below.



What is the function of the organ system shown above?

- (1) digests food
- (2) gives our body its shape
- (3) transports digested food in our body
- (4) takes in and removes air from our body ( )

- 5 The picture below shows Kristy riding a bicycle.



As Kristy cycles faster, she starts to breathe faster.  
Which of the following statements is correct?

- (1) Kristy's digestive system stops working when she cycles.
- (2) Kristy's circulatory system stops working when she stops cycling.
- (3) Kristy's respiratory system needs to take in more air when she is cycling faster.
- (4) Only Kristy's skeletal and muscular systems are working together when she cycles. ( )

Total marks for section A

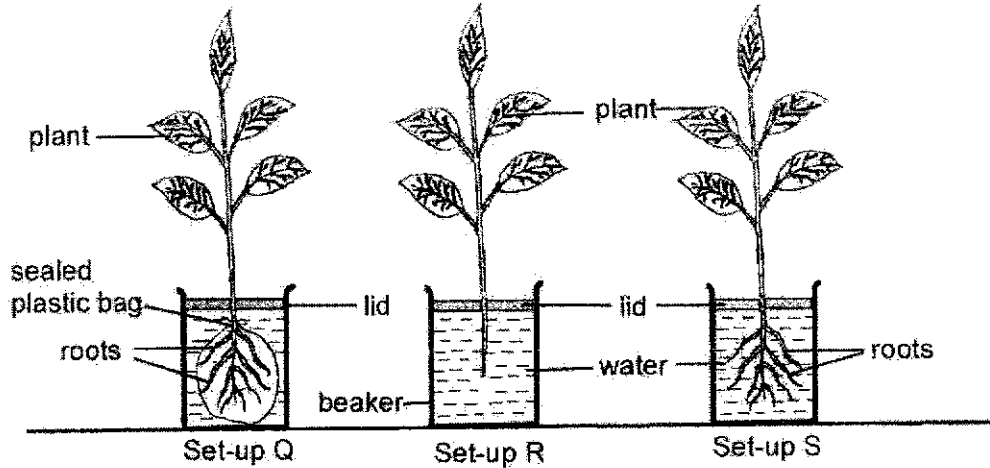
3

Score	10
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**Section B: Structured questions (10 marks)**

For each question from 6 to 8, write your answers in the space provided. The number of marks available is shown in brackets [ ] at the end of each question or part question.

- 6 Study the set-ups shown below. Each beaker is filled with 200 ml of water. The lid covers the top of the beaker.



- (a) Complete the table by writing 'R' and 'S' in the correct boxes. [1]

Set-up	Amount of water left in the beaker after 4 hours(ml)
<input type="checkbox"/>	160
<input type="checkbox"/>	185
Q	(b) ?

- (b) What is the amount of water left in the beaker of Set-up Q after 4 hours? Write your answer in the box below. [1]

 ml

- (c) Give a reason for your answer in (b). [1]

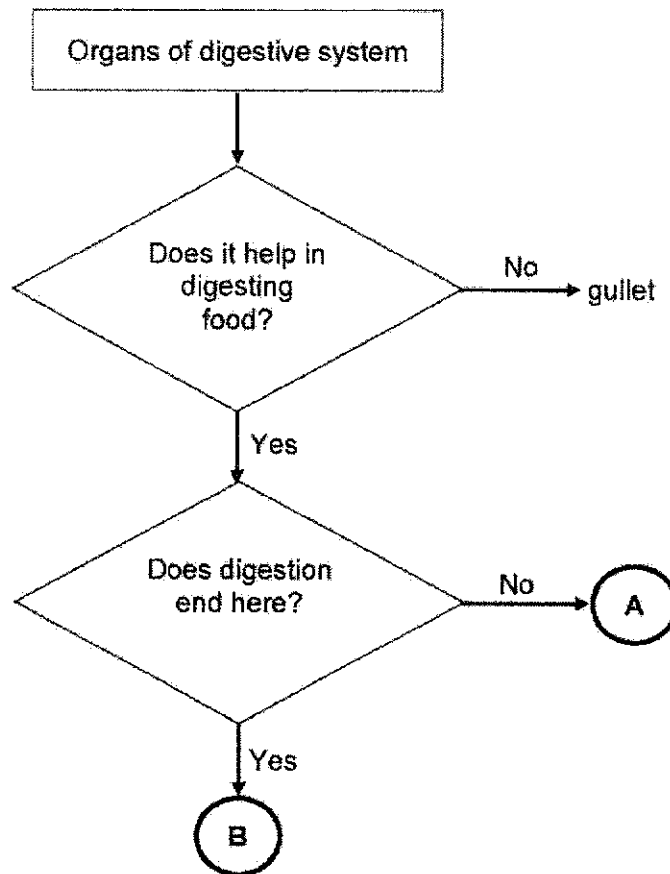
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Score	3
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7 Study the flowchart below.



(a) Name organs A and B.

[1]

Organ A: \_\_\_\_\_

Organ B: \_\_\_\_\_

(b) State the function of gullet.

[1]

\_\_\_\_\_

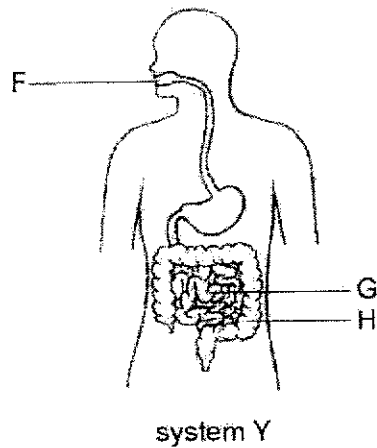
(c) Digested food is absorbed into the blood at the \_\_\_\_\_  
and transported around the body by the \_\_\_\_\_ system.

[1]

5

Score	3
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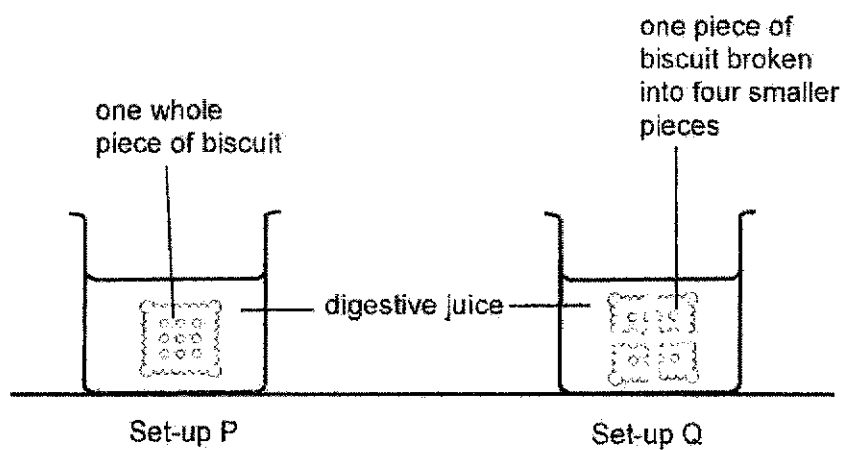
- 8 The diagram below shows the human system Y.



- (a) Organs F, G and H belong to the same organ system Y. The statements below describe how these organs work. Put a tick (✓) in the correct column to indicate if the statement is true or false. [2]

Statements	True	False
(i) Digestion begins at organ F.		
(ii) Digestion is completed at organ G.		
(ii) Organ H stores remaining digested food.		

- (b) Two similar pieces of biscuit are placed into set-ups P and Q as shown in the diagrams below.



It is observed that the smaller pieces of biscuit in set-up Q was broken down faster than one whole piece of biscuit in set-up P. Explain why. [2]

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End of paper

Score	
	4





**SCHOOL** : NAN HUA PRIMARY SCHOOL  
**LEVEL** : PRIMARY 3  
**SUBJECT** : SCIENCE  
**TERM** : WEIGHTED ASSESSMENT 2

**SECTION A**

2	2	4	4	3					

Q6	<p>a)</p> <table border="1"> <thead> <tr> <th>Set-up</th> <th>Amount of water left in the beaker after 4 hours (ml)</th> </tr> </thead> <tbody> <tr> <td>S</td> <td>160</td> </tr> <tr> <td>R</td> <td>185</td> </tr> </tbody> </table> <p>b) 200/two hundred  c) The roots could not absorb / take in water.</p>	Set-up	Amount of water left in the beaker after 4 hours (ml)	S	160	R	185						
Set-up	Amount of water left in the beaker after 4 hours (ml)												
S	160												
R	185												
Q7	<p>a) Organ A: mouth or Stomach  Organ B: small intestine</p> <p>b) The gullet transports (partially digested) food down from the mouth to the stomach.</p> <p>c) Small intestine circulatory</p>												
Q8	<p>a)</p> <table border="1"> <thead> <tr> <th>Statements</th> <th>True</th> <th>False</th> </tr> </thead> <tbody> <tr> <td>i) Digestion begins at organ F</td> <td>✓</td> <td></td> </tr> <tr> <td>ii) Digestion is complete at organ G</td> <td>✓</td> <td></td> </tr> <tr> <td>iii) Organ H stores remaining digested food</td> <td></td> <td>✓</td> </tr> </tbody> </table> <p>b) The smaller pieces of biscuits have a bigger/larger surface area that is in contact with/ exposed to/ touching the digestive juice, so it gets digested faster/more easily than the whole biscuit.</p>	Statements	True	False	i) Digestion begins at organ F	✓		ii) Digestion is complete at organ G	✓		iii) Organ H stores remaining digested food		✓
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