## ClassMarker

## Primary 3 - Term 2 (SA1) Science (RGPS) /



## Test Introduction

+ Add Introduction

33 Questions (36 Points)

Test Questions
1 Test Assignment

## Question 1

## SECTION A (18 x 2 marks)

For each question from 1 to 18, four options-are given.
One of them is the correct answer.


Which one of the following correctly describes how the animals are grouped?
A) Movement
B) Number of legs
C) Body coverings
D) Method of reproduction

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Wed 18th Mar 2020 |
| Last Modified: | N/A |
| QID\#: | $19,022,693$ |

In the diagram below, Tom classified some things into group X and Y .


Which one of the following did Tom classify correctly?

|  | Group $\mathbf{X}$ | Group $\mathbf{Y}$ |
| :--- | :---: | :---: |
| $(1)$ | fried chicken | elephant |
| $(2)$ | crocodile | worm |
| $(3)$ | paper boat | rubber snake |
| $(4)$ | elephant | fishball |

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

## Question Type:

## Multiple Choice

Randomize Answers: No
Date Added: Wed 18th Mar 2020
Last Modified: N/A
QID\#:
19,022,740

## 

## Question 3

Ali kept some ants in a glass jar as shown in the diagram below.
ant


What must Ali do to ensure that the ants will survive?

A Make holes on the lid.

B Give the ants some food.
C Give the ants some water.
A) A only
B) C only
C) A and C only
D) A, B and C

## Question Type: Multiple Choice

Randomize Answers: No
Date Added: Wed 18th Mar 2020
Last Modified: N/A
QID\#: 19,022,777

## 

Question 4

Which one of the following statements show the characteristics of living things?

A A ball rolled down the stairs.

B The water bubbled when boiled.

C A dog barked when it spotted a stranger.
D Alice could not fit into her dress which she had bought a year ago.
A) A and B
B) A and D
C) B and C
D) C and D
$\star^{\pi}$ Answers Edit EnDuplicate 1 Used In $\hat{*}$ Reorder

Question 5

Three boys made the following statements about an animal.
Afan: It has moist skin.
Bala: It reproduces by laying eggs.
Calvin: It can live both on land and in water.
Which group does the animal belong to?
A) Birds
B) Insects
C) Mammals
D) Amphibians

Question Type:
Randomize Answers:
Date Added:
Last Modified:
QID\#:

## Question 6

Study the flowchart below.


What animal group correctly represents A, B and C?

|  | A | B | C |
| :--- | :---: | :---: | :---: |
| $(1)$ | fish | amphibian | bird |
| $(2)$ | mammal | - insect | fish |
| $(3)$ | insect | mammal | fish |
| $(4)$ | amphibian | fish | bird |

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

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Wed 18th Mar 2020 |
| Last Modified: | N/A |
| QID\#: | $19,022,827$ |

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* Answers Edit & Duplicate 4 Used In | Reorder
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## Question 7

Based on your observations of the following animals, which one of the following is an insect?
A)

B)

C)

D)

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed
Last Modified: N/A
QID\#:

## 

Remove From Test

## Question 8

Study the chart below.


What can Question $Y$ be?
A) Does it have hair?
B) Does it have gills?
C) Does it has 6 legs?
D) Does it have scales?

## Date Added: <br> Last Modified: QID\#:

## 

## Question 9

Four children made the following statements about plants.


Which of the children made the correct statement(s) about plants?
A) Carol only
B) Ben and David only
C) Anna, Ben and Carol only
(D) Anna, Ben and David only

Question Type:
Randomize Answers:
Last Modified: N/A
QID\#: $\quad 19,022,938$

No
Wed 18th Mar 2020

The classification chart below shows how some organisms are grouped.


Peter wants to classify Plant X as shown below.


Which of the following correctly represents plant X ?
A) $P$
B) $Q$
C) $R$
(D) S

## Question Type:

Randomize Answers:
Date Added:
Wed 18th Mar 2020
Last Modified:
QID\#:

N/A
19,022,976

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*^Answers | Edit | E. Duplicate | { Used In | 仓े Reorder
```

Question 11

Abby recorded the characteristics of 4 organisms, $P, Q, R$ and $S$, found in the school garden. A tick shows the presence of the characteristic.

| Characteristics | Organisms |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  | P | Q | R | S |
| Does it have spores? | $\checkmark$ | $\checkmark:$ |  |  |
| Does it have leaves? |  | $\checkmark$ | $\checkmark$ |  |
| Does it have fruits? |  |  | $\checkmark$ |  |
| Can it be seen with the naked eyes? | $\checkmark$ | $\checkmark$ | $\checkmark$ |  |

Which of the following best represents a non-flowering plant?
A) P
B) $Q$
C) $R$
D) S

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Wed 18th Mar 2020 |
| Last Modified: | N/A |
| QID\#: | $19,023,008$ |

## $\boldsymbol{*}^{\star}$ Answers Edit Duplicate $\uparrow$ Used In | $\stackrel{\rightharpoonup}{*}$ Reorder

Question 12

Which one of the following statements is true about bacteria?
A) Some bacteria are useful.
B) Bacteria are non-living things.
C) Bacteria reproduce by spores.
D) Bacteria cannot be grouped under micro-organisms:

## Question Type:

Randomize Answers:
Date Added.
Last Modified: N/A
QID\#: $\quad 19,023,028$

Multiple Choice
No
Wed 18th Mar 2020

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\(\mathbf{*}^{\star}\) Answers Edit E Duplicate \(\mathbb{4}\) Used \(\ln \mid\) * Reorder
```

Question 13

Study the classification chart below.


Which of the following correctly describes the difference(s) between a mushroom and a bird's nest fern?

|  | Mushroom | Bird's Nest Fern |
| :--- | :---: | :---: |
| A | cannot reproduce | can reproduce |
| B | non-flowering plant | flowering plant |
| C | reproduce by spores | reproduce by seeds |
| D | cannot make its own food | can make its own food |

11 n -....
A) B only
B) D only
C) C and D only
D) A and C only

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Wed 18th Mar 2020 |
| Last Modified: | N/A |
| QID\#: | $19,023,074$ |

## $«^{\pi}$ Answers Edit 饧Duplicate 1 Used In $\stackrel{\rightharpoonup}{*}$ Reorder

## Question 14

Mrs Lim needed to buy a milk bottle for her three-year-old son. Part A of the bottle is made up of a material with the following properties:

- It cannot break easily.
- Able to see how much milk was left.


Which material is most suitable to make part A of the milk bottle?
A) glass
B) metal
C) plastic
D) rubber

Question Type:
Multiple Choice
Randomize Answers: No
Date Added: Wed 18th Mar 2020
Last Modified:
QID\#:

19,023,101

## 

Question 15

The picture below shows a boy sitting on a chair.


While choosing a material to make M , which of the following properties must be considered to support the mass of the boy?
A) strength
B) flexibility
C) waterproof
D) degree of transparency

Question Type:
Randomize Answers:
Date Added:
Last Modified: N/A
QID\#:

Multiple Choice

Ned 18th Mar 2020

19,023,119

## Question 16

Susan listed the properties of four materials, P, Q, R and S, as shown in the table below. A tick shows the presence of the property.

| Property |  | Materials |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | P | Q | R | S |  |
| Is it light? | $\checkmark$ |  |  | $\checkmark$ |  |
| Is it flexible? | $\checkmark$ | $\checkmark$ | $\checkmark$ |  |  |
| Is it waterproof? | $\checkmark$ | $\checkmark$ |  | $\checkmark$ |  |
| Is it transparent? |  |  | $\checkmark$ | $\checkmark$ |  |

The diagram below shows a light bulb.


Which material is most suitable to make part A of the-tight bulb?
A) $P$
B) $Q$
C) $R$
D) S

## Question Type:

Randomize Answers:
Date Added:
Last Modified: Wed 18th Mar 2020
N/A
QID\#:

Mary conducted an experiment to find out the amount of water absorbed by four similar strips of materials $A, B, C$ and $D$, of the same size and thickness. She placed the four strips in a container of water for half an hour.


The table below shows the results.

| Material | Mass at first (g) | Mass after half an hour (g) |
| :---: | :---: | :---: |
| A | 2 | 4 |
| B | 2 | 5 |
| C | 2 | 2 |
| D | 2 | 3 |

Mary wanted to choose a suitable material for making a pair of gloves to keep her hands dry while washing the dishes.

Based on the results above, which material is most suitable to make the gloves?
A) A
B) $B$
C) C
D) $D$

## Question Type:

Randomize Answers:

Last Modified: N/A
QID\#: $\quad 19,023,205$

## $k^{x}$ Answers

Multiple Choice
No
Wed 18th Mar 2020

Question 18

Eliza conducted an experiment as shown below.

table

She added 1-kg weights to different strips of.materials, $K, L, M$ and $N$. She counted the number of 1-kg weights that can be added to each strip before it started to tear.

She recorded the results as shown in the table below.

| Material | Number of 1-kg weights added <br> before the strip started to tear |
| :---: | :---: |
| K | 6 |
| L | 3 |
| M | 4 |
| N | 10 |

Which of the following statements is correct?
A) Material N is the weakest.
B) Material L is the strongest.
C) Material K is stronger than Material L .
D) Material M is weaker than Material L .

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Wed 18th Mar 2020 |
| Last Modified: | N/A |
| QID\#: | $19,023,319$ |

## $\mathbf{k}^{\boldsymbol{7}}$ Answers | Edit | D Duplicate | 4 Used In | 合 Reorder

## Question 19

From question 19 onward, the questions are designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

The flow chart below shows how four animals, $A, B, C$ and $D$, are being grouped.


Name the two characteristics of animal D.

Question Type: Essay

| Date Added: | Wed 18th Mar 2020 |
| :--- | :--- |
| Last Modified: | Sat 21st Mar 2020 |
| QID\#: | $19,023,637$ |

Correctly answered feedback
It gives birth to its young.
It has wings.

Incorrectly answered feedback
It gives birth to its young.
It has wings.

```
**Answers | Edit | &-Duplicate | 4 Used In | 人े Reorder

With reference to previous question, state one common characteristics between animals \(A\) and \(B\).
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Wed 18th Mar 2020 \\
Last Modified: & Sat 21st Mar 2020 \\
QID\#: & \(19,023,647\)
\end{tabular}

Correctly answered feedback
Animal \(A\) and \(B\) do not give birth to its young.

Incorrectly answered feedback
Animal \(A\) and \(B\) do not give birth to its young.

\section*{Question 21}

The graph below shows the changes in the number of guppies in a fish tank over four months. The guppies were provided with sufficient air, food and water.


What does the change in number of guppies in the first three months tell us about the characteristic of a living thing?
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Wed 18th Mar 2020 \\
Last Modified: & Sat 21st Mar 2020 \\
QID\#: & \(19,023,677\)
\end{tabular}

Correctly answered feedback
It tells us that living things reproduce.

Incorrectly answered feedback
It tells us that living things reproduce.

\section*{\(*^{\star}\) Answers | Edit | CDuplicate | 1 Used \(\ln \mid\) 合 Reorder}

\section*{Question 22}

The owner did not add or remove any guppies. State a possible reason for the decrease in the number of guppies in the fourth month.

Question Type: Essay
\begin{tabular}{ll} 
Date Added: & Wed 18th Mar 2020 \\
Last Modified: & Sat 21st Mar 2020 \\
QID\#: & \(19,023,687\)
\end{tabular}

Correctly answered feedback
A possible reason may be because some guppies died.

\section*{Incorrectly answered feedback}

A possible reason may be because some guppies died.

\section*{Question 23}

Write 'T' for True and 'F' for False for each of the following statements in the boxes provided.
\begin{tabular}{|l|l|l|}
\cline { 2 - 3 } \multicolumn{1}{c|}{} & \multicolumn{1}{|c|}{ Statements } & True / False \\
\hline (a) & All birds have an outer body covering of feathers. & \\
\hline (b) & All insects have three body parts and a pair of wings. & \\
\hline (c) & Most mammals give birth to their young alive. & \\
\hline (d) & Most amphibians reproduce by laying eggs in water: & \\
\hline
\end{tabular}

Question Type: Essay
Date Added: Wed 18th Mar 2020
Last Modified: Sat 21st Mar 2020
QID\#: 19,023,711
```

Correctly answered feedback
a: T
b: F
c: T
d: T

```

Incorrectly answered feedback
a: T
b: F
c: T
d: T

\section*{\(\mathbf{k}^{\star}\) Answers | Edit | 约Duplicate | \(\mathbb{4}\) Used In | \(\boldsymbol{*}\) Reorder}

Study the flow chart below.


Based on the flow chart above, identify the animal that can be represented by \(P\), Q, R or S . Write the letters, P, Q, R or S in the blanks below.

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Question Type: Essay

| Date Added: | Wed 18th Mar 2020 |
| :--- | :--- |
| Last Modified: | Sat 21st Mar 2020 |
| QID\#: | $19,023,754$ |

QID\#: 19,023,754

```
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Correctly answered feedback
a: R
b: P

```

Incorrectly answered feedback
a: R
b: P
```

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**Answers | Edit | & Duplicate | 4 Used In | 令Reorder
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```
**Answers | Edit | & Duplicate | 4 Used In | 令Reorder
```

```


Animal A


Animal B

Based on your observation of the two animals above, state one similarity and one difference in the physical characteristic between them.
(Do not compare size, color and movement.)

Question Type: Essay
\begin{tabular}{ll} 
Date Added: & Wed 18th Mar 2020 \\
Last Modified: & Sat 21st Mar 2020 \\
QID\#: & \(19,023,778\)
\end{tabular}

Correctly answered feedback
Similarity: Both have hair.
Difference: Animal A have wings but Animal B does not have.

Incorrectly answered feedback
Similarity: Both have hair.
Difference: Animal A have wings but Animal B does not have.
```

**Answers | Edit | 纪Duplicate | { Used In | \hat{ Reorder}

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\section*{Question 26}

The flow chart below shows how four living things, \(P, Q, R\) and \(S\), are being grouped.


Based on the information above, state two characteristics of \(R\).

Question Type: Essay
Date Added: Wed 18th Mar 2020

Last Modified:
QID\#:

Correctly answered feedback
Any 2 of the 3 :
It lives on land.
It reproduces by spores.
It cannot make its own food.

\section*{Incorrectly answered feedback}

Any 2 of the 3 :
It lives on land.
It reproduces by spores.
It cannot make its own food.

\section*{\(\mathbf{*}^{\wedge}\) Answers | Edit | 约Duplicate | \(\mathbb{4}\) Used \(\ln \mid \stackrel{\rightharpoonup}{*}\) Reorder}

Question 27

Study Plants X and Y as shown below.


Based on your observations on the plants, state one observable similarity and one difference in the physical characteristics between Plants X and Y .
[Do not compare size and shape.]
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Wed 18th Mar 2020 \\
Last Modified: & Sat 21st Mar 2020 \\
QID\#: & \(19,023,840\)
\end{tabular}

\section*{Correctly answered feedback}

Similarity: Both have leaves/Both are land plants/Both have stem
Difference: Plant X has a weak steam but plant Y has a strong stem

\section*{Incorrectly answered feedback}

Similarity: Both have leaves/Both are land plants/Both have stem
Difference: Plant \(X\) has a weak steam but plant \(Y\) has a strong stem

Question 28

Mdm Tan left a banana in the kitchen for two weeks. She observed black patches on the banana as shown below. She threw the banana as it had turned mouldy.


Read the following statements about the characteristics of the moulds found on the banana.
Put a tick against each statement in the boxes below to show if it is true or false about the moulds on the banana.

\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Wed 18th Mar 2020 \\
Last Modified: & Sat 21st Mar 2020 \\
QID\#: & \(19,023,934\)
\end{tabular}

Correctly answered feedback
a: True
b: False
c: False
d: True

Incorrectly answered feedback
a: True
b: False
c: False
d: True

\section*{}


Based on the information above, answer parts (a) and (b).
(a) To find out if water is needed for bread mould to grow, he should use set-up \(\qquad\) and set-up \(\qquad\)
(b) To find out if warmth is needed for bread mould to, he should use set-up \(\qquad\) and set-up \(\qquad\)

\section*{Correctly answered feedback}
a) set-up \(W\) and set-up \(Y\)
b) set-up \(Z\) and set-up \(X\)

Incorrectly answered feedback
a) set-up \(W\) and set-up \(Y\)
b) set-up \(Z\) and set-up \(X\)


\section*{Question 30}

A swimming board is used to help children while they are learning how to swim as shown below.

State two properties of the material that are taken into consideration when it is chosen to make into a swimming board.
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Wed 18th Mar 2020 \\
Last Modified: & Sat 21st Mar 2020 \\
QID\#: & \(19,023,982\)
\end{tabular}

Correctly answered feedback
Property 1: Waterproof
Property 2: Ability to float

\section*{Incorrectly answered feedback}

Property 1: Waterproof
Property 2: Ability to float

\section*{\(\mathbf{k}^{\text { Answers | Edit | Cop Duplicate | } 4 \text { Used In | 合 Reorder }}\)}

Remove From Test

\section*{Question 31}

Olivia carried out an experiment to test the degree of transparency of three materials, K, Land M, as shown below.


She used a light sensor to measure the amount of.light that passed through each material and recorded her results as shown in the table below.
\begin{tabular}{|c|c|}
\hline Materials & \begin{tabular}{c} 
Amount of light that passes through \\
each material (units)
\end{tabular} \\
\hline K & 300 \\
\hline L & 0 \\
\hline M & 250 \\
\hline
\end{tabular}

Olivia wanted to select suitable materials to make an envelope as shown below. The use of each parts, \(A\) and \(B\), is provided below:

A: To be able to see the address of the receiver
B: To not allow anyone to see the content of the letter


Which of material, \(K\), \(L\) or \(M\), is most suitable to make Part \(A\) and \(B\) of the envelope? Give a reason for your answer.
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Wed 18th Mar 2020 \\
Last Modified: & Sat 21st Mar 2020 \\
QID\#: & 19,024,028
\end{tabular}

Correctly answered feedback
Part A: material K
Reason: K allow the most light to pass through and Part A needs as much light as possible to pass through.
Part B: material L
Reason: : L does not allow any light to pass through and Part B does not need any light to pass through.

\section*{Incorrectly answered feedback}

Part A: material K
Reason: K allow the most light to pass through and Part A needs as much light as possible to pass through.
Part B: material L
Reason: : L does not allow any light to pass through and Part B does not need any light to pass through.

\section*{\(\boldsymbol{k}^{\pi}\) Answers | Edit | ©RDuplicate | \(\mathbb{1}\) Used In | \(\hat{\geqslant}\) Reorder}

\section*{Question 32}

Cindy had three strips of materials \(X, Y\) and \(Z\). She measured the maximum distance, \(d \mathrm{~cm}\), each strip could bend.


Sh recorded the results as shown in the table below.
\begin{tabular}{|c|c|}
\hline Material & Distance d (cm) \\
\hline\(X\) & 20 \\
\hline\(Y\) & 1 \\
\hline\(Z\) & 5 \\
\hline
\end{tabular}

Based on the observations, rank the materials, \(\mathrm{X}, \mathrm{Y}\) and Z , starting from the material that is the most flexible.
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Wed 18th Mar 2020 \\
Last Modified: & Sat 21st Mar 2020 \\
QID\#: & \(19,024,058\)
\end{tabular}

Correctly answered feedback
X, Z, Y

Incorrectly answered feedback
X, Z, Y

Mr Tan wears a belt around his waist to support the loose trousers as shown in the diagram below.


With reference to the previous question, which material, \(X, Y\) or \(Z\), is most suitable to be used to make a belt? Give a reason for your answer.
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Wed 18th Mar 2020 \\
Last Modified: & Sat 21st Mar 2020 \\
QID\#: & \(19,024,085\)
\end{tabular}

Correctly answered feedback
Material X. It is the most flexible and can bend the most.

Incorrectly answered feedback
Material X. It is the most flexible and can bend the most.```

