MARIS STELLA HIGH SCHOOL (PRIMARY)

SA1 EXAMINATION

SCIENCE

16 MAY 2019

BOOKLET A

NAME: _____ ( )

CLASS: Primary 3 ( )

15 questions

30 marks

Total Time for Booklets A & B: 1 h

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

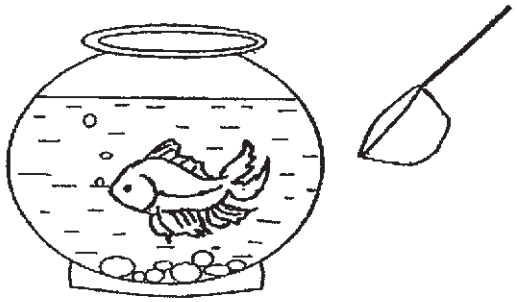
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For each question from 1 to 15, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). **(30 marks)**

---

1 The fish in the tank swims away when a net is placed near it.



Which characteristic of living things does this show?

(1) Living things grow.
(2) Living things reproduce.
(3) Living things respond to changes.
(4) Living things need air, food and water.

2 Study the table below.

Thing	Does it need food?	Can it grow?
X	No	Yes
Y	Yes	Yes

Which of the following statements about X and Y is correct?

(1) Both X and Y are living things.
(2) Both X and Y are non-living things.
(3) X is a living thing but Y is a non-living thing.
(4) Y is a living thing but X is a non-living thing.

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3 Which of the plant part is **not** found in all plants?

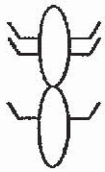
(1) leaf
(2) stem
(3) roots
(4) flower

4 Which of the following statements is true for all mammals?

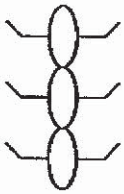
(1) They use gills to breathe.
(2) They give birth to their young.
(3) They have scales as outer covering.
(4) They can live both on land and in water.

5 Which of the following correctly represents an insect?

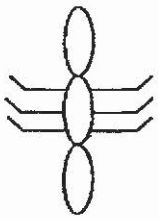
(1)



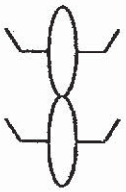
(2)



(3)



(4)



6 Which of the following is true for all bacteria?

(1) are harmful
(2) respond to changes
(3) can make its own food
(4) do not need food to survive

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7 Animal B has feathers and lays eggs.

Which animal group does animal B belong to?

(1) birds
(2) reptiles
(3) mammals
(4) amphibians

8 Luke found an animal. He could not tell if it was a reptile or fish.

Which of the following characteristics can be used to identify it as a reptile or fish.

(1) presence of gills
(2) type of body covering
(3) method of reproduction
(4) if it can live on both land and in water

9 Study the table below.

A	B
mould rose plant bird's nest fern	ball pencil bicycle

Which of the following are possible headings for A and B?

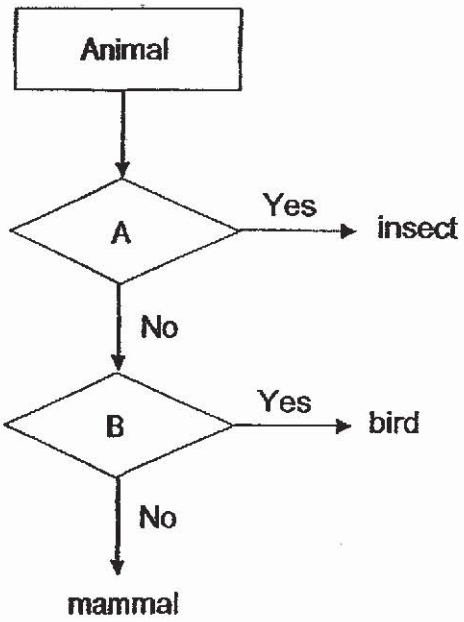
	A	B
(1)	makes food	does not make food
(2)	does not need air	needs air
(3)	does not reproduce	reproduces
(4)	needs food to survive	does not need food to survive

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10 Study the flow chart below.



Which of the following shows the characteristics represented by A and B?

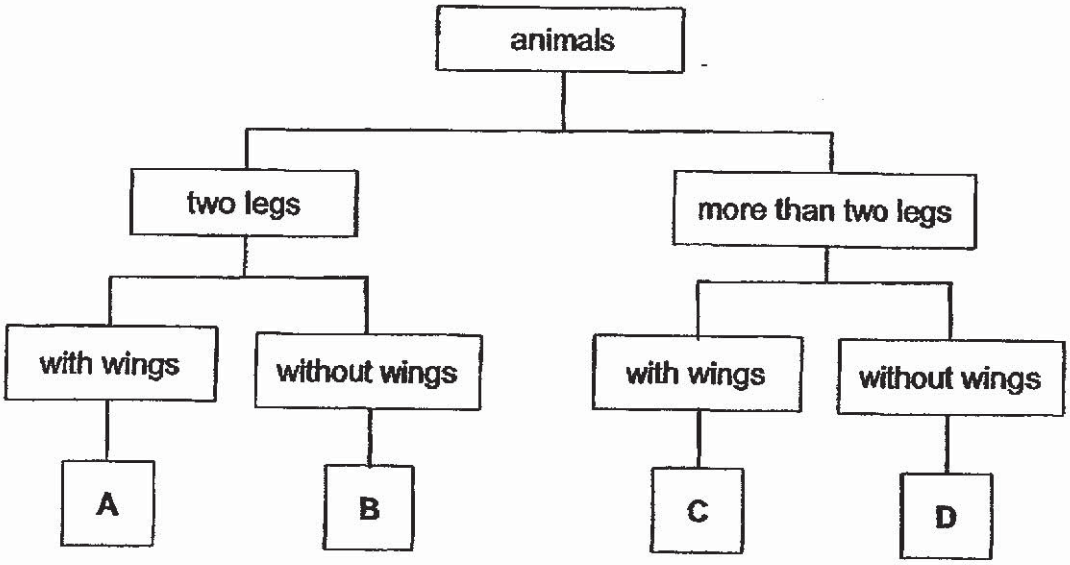
	Characteristics	
	A	B
(1)	has fur	has a beak
(2)	has wings	has fur
(3)	has six legs	has feathers
(4)	has hard body covering	gives birth to young

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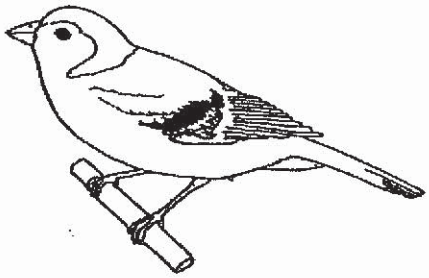
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11 Study the chart below.



Which letter represents Animal X?



Animal X

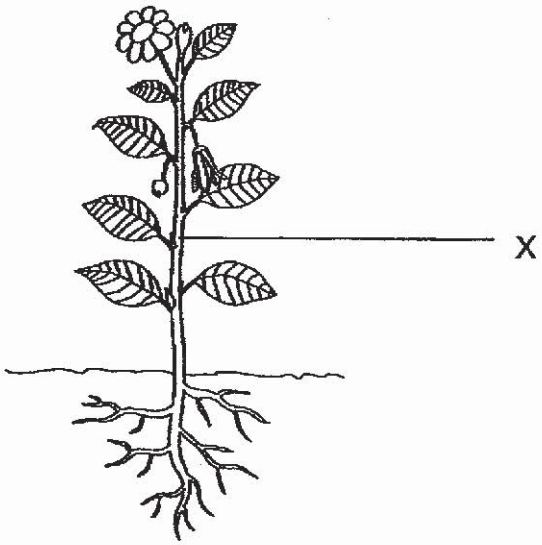
(1) A
(2) B
(3) C
(4) D

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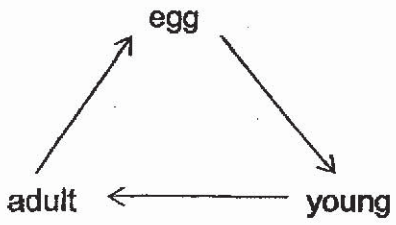
12 Study the picture of the plant below.



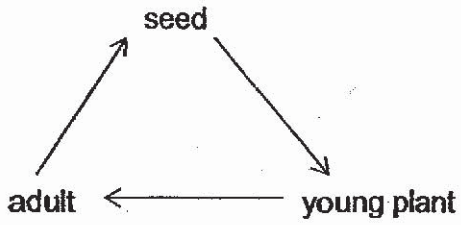
What is the function of part X?

(1) keeps the plant upright
(2) makes food for the plant
(3) absorbs water from the soil
(4) holds the plant firmly to the ground

13 Study the life cycles of P and Q below.



Life cycle of P



Life cycle of Q

Which of the following statements about P and Q is correct?

(1) Both reproduce by producing seeds.
(2) Both reproduce by laying eggs.
(3) Both have 3 stages in their life cycle.
(4) Both take the same number of days to complete their life cycles.

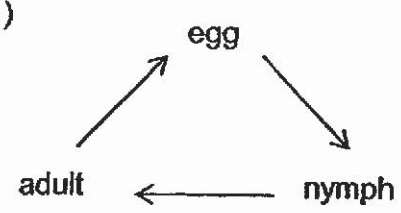
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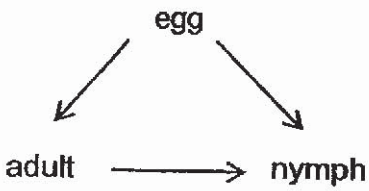
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14 Which of the following shows the life cycle of a cockroach?

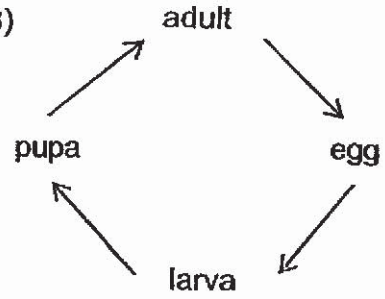
(1)



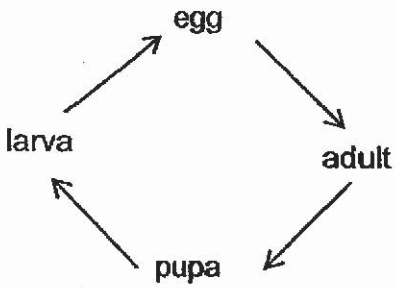
(2)



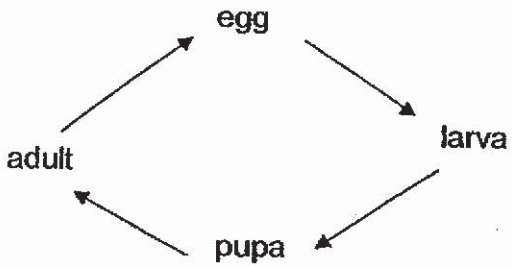
(3)



(4)



15 The diagram below shows the life cycle of an animal.



Which animal is likely to have the life cycle shown above?

(1) frog
(2) chicken
(3) mosquito
(4) grasshopper

End of Booklet A

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MARIS STELLA HIGH SCHOOL (PRIMARY)

SA1 EXAMINATION

SCIENCE

16 MAY 2019

BOOKLET B

NAME: _____ ( )

CLASS: Primary 3 ( )

6 questions

20 marks

Total Time for Booklets A & B: 1 h

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

Booklet A:	**/ 30**
Booklet B:	**/ 20**
Grand Total:	**/ 50**

Parent's Signature:_____

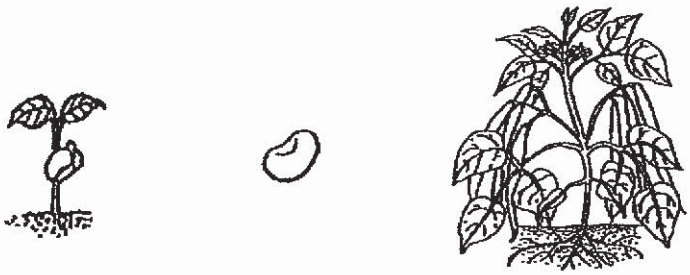
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For questions 16 to 21, write your answers in this booklet. The number of marks available is shown in brackets [ ] at the end of each question or part question. **(20 marks)**

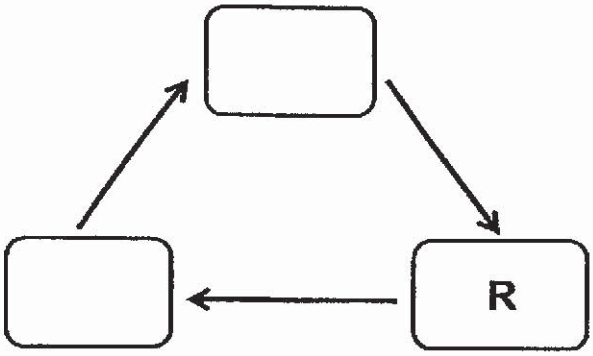
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16 Study the pictures of different stages of Plant A below.



P Q R

(a) Complete the life cycle of Plant A by filling in **P** and **Q** in the boxes below. [1]



(b) At which stage(s), P, Q and R, of the life cycle can Plant A make its own food? [1]

(c) Which plant part helps the plant to make food? [1]

	3

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17 Josh recorded the height of a young plant over 7 days in the table below.

Day	Height of young plant (cm)
1	2
3	4
7	8

(a) Describe the change in height of the young plant from day 1 to day 7? [1]

(b) What characteristic of living things does the change in height of the young plant show? [1]

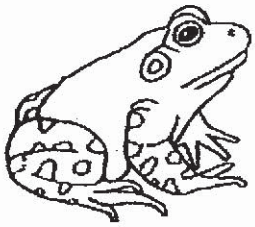
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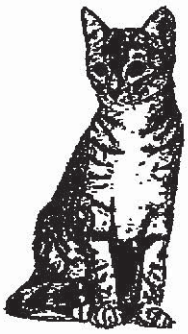
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18 Study animals Y and Z below.



Y



Z

(a) Which animal groups do animals Y and Z belong to? [2]

Y: _____

Z: _____

(b) State the difference between animals Y and Z in terms of their outer covering. [1]

_____

_____

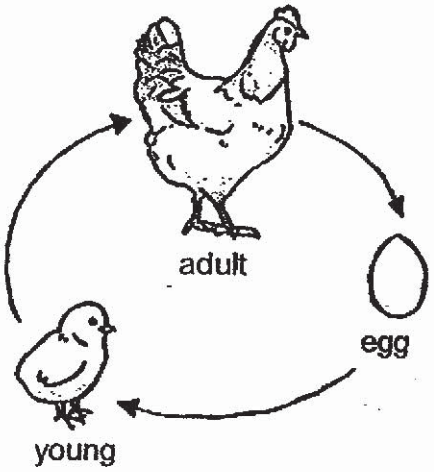
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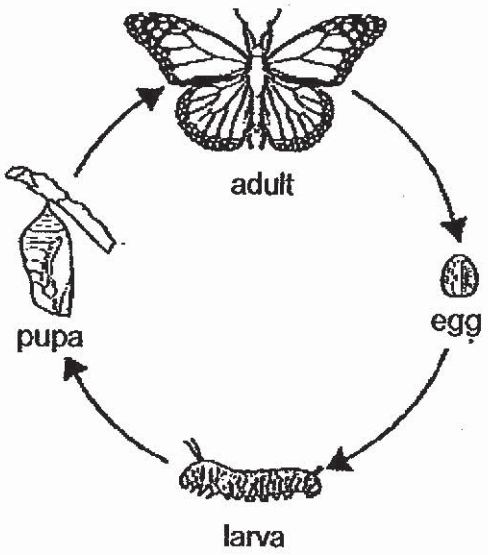
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19 Study the two life cycles shown below.



Life cycle of chicken



Life cycle of butterfly

(a) State two differences between the two life cycles. [2]

Difference 1: _____

_____

Difference 2: _____

_____

(b) State one difference between the larval stage and pupal stage of the butterfly. [1]

_____

_____

(c) Why are life cycles important? [1]

_____

_____

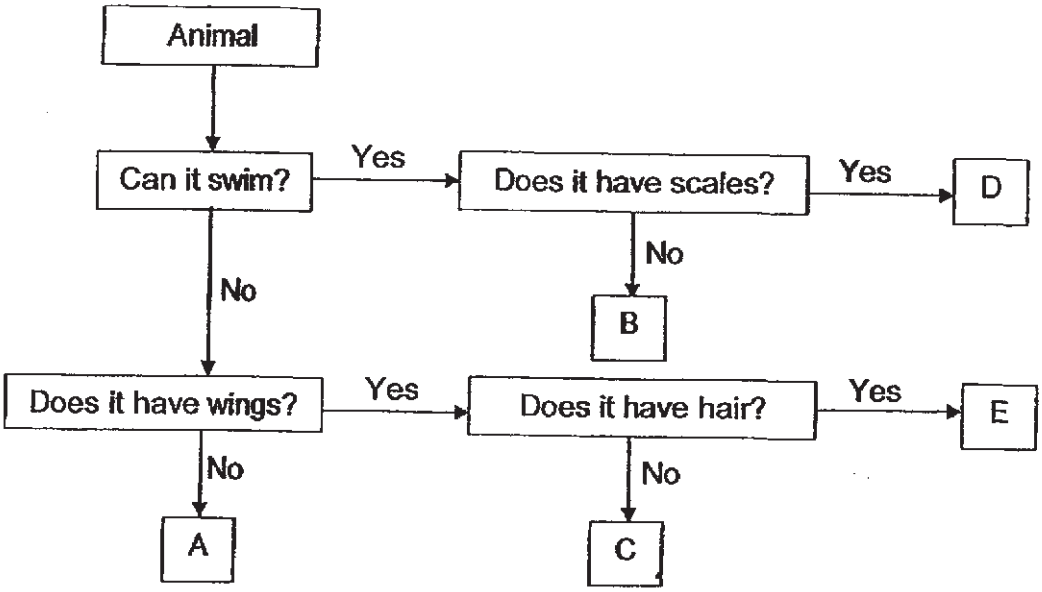
	4

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20 Study the flowchart below.



(a) Describe animal B. [1]

(b) State two similarities between animals C and E. [2]

Similarity 1:

Similarity 2:

(c) Classify animals A, B, C, D and E into the classification table below. [1]

Can swim	Cannot swim

4

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21 The table below shows the characteristics of living things P and Q.

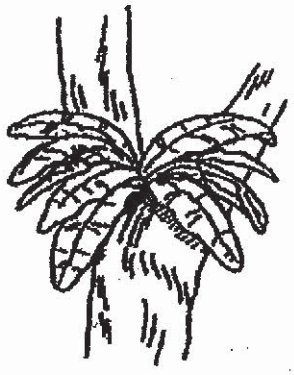
	Can make its own food	Reproduces by spores	Can only be seen under the microscope
P	No	No	Yes
Q	No	Yes	No

(a) Which group of living things do P and Q belong to? [2]

P: _____

Q: _____

The picture below shows a fern.



fern

(b) Based on the table above, give a reason why Q cannot be the fern. [1]

_____

(c) Which group of living things should the fern be grouped under? [1]

_____

End of Booklet B

	4

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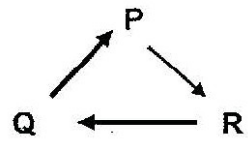
LEVEL : PRIMARY 3
SUBJECT : SCIENCE
TERM : 2019 SA1

SECTION A

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

Q 11	Q12	Q13	Q14	Q15
1	1	3	1	3

SECTION B

Q16)	a)  b)It can make it's own food when it is stage P and R. c)The leaf helps the plant to make it's own food.
C	a)It grew taller. b)Living things grow.
Q18)	a)Y : amphibian Z : mammal b)Animal Y has moist skin but animal Z has fur.
Q19)	Different 1 : The life cycles of the chicken is a three stage but the life cycles of a butterfly is a four stage life cycles. Different 2 : The young of the chicken looks like its adult but the young butterfly do not look like its adult.

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	b)The larva feeds but the pupa dies not feed. c)Life cycles are important because it will not make the animal extict.
Q20)	a)Animal B can swim but it does not have scales. b)Similarity 1 : Both cannot swim Similarity 2 : Both have wings c) Can swim : D , B Cannot swim : A , C , E
Q21)	a)P : Bacteria Q : Fungi b)The fern can make it's own food but Q cannot make it's own food. c)The fern should be grouped under the non-flowering plant.

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