IQ School Science
Primary 5 Review for month of September 2021

Name: ( )	Class:	Date:
Parent's Signature:	Results: /50	%

Section A (30 pts)

1. Daisy found a fern in her garden and it contains black structures labelled as part X as shown below.

Which one of the following living things reproduce in the same way as the fern?

1) apple tree
2) chili plant
3) mushroom
4) green bean plant

( )

2.

Eye colour is passed on from the parents to their child. The table below shows the eye colours of children A to F, their parents and their grandparents.

	Eye colour				
Child		Mother	Father	Grandmother	Grandfather
A	Blue	Brown	Blue	Brown	Brown
B	Brown	Brown	Blue	Blue	Brown
C	Brown	Brown	Brown	Brown	Brown
D	Brown	Blue	Brown	Blue	Brown
E	Blue	Blue	Blue	Blue	Blue
F	Blue	Brown	Brown	Brown	Brown

Which of the following can be supported by evidence from the table?

(1) A child's eye colour is always the same as the grandmother's.

(2) A child with blue eyes can have both parents with brown eyes.

(3) A child with brown eyes can have both grandparents with blue eyes.

(4) A child with brown eyes must have at least one parent with blue eyes.

( )

3.

Which two of the following are characteristics of seeds and fruits dispersed by animals?

A. Flat and light

B. Juicy fruits with hard seeds

C. Small fruits with hair-like structures

D. Surface of fruits covered with hooks

(1) A and B

(2) B and C

(3) B and D

(4) C and D

( )

4.

The table below shows how a pigeon, a platypus, a bat and a cat can be classified.

Animal			
Lays eggs		Does not lay eggs	
Has feathers	Has hair	Can fly	Cannot fly
Pigeon	Platypus	Bat	Cat

This classification table shows that _____.

(1) a cat and a bat do not reproduce

(2) a bat and a platypus are mammals

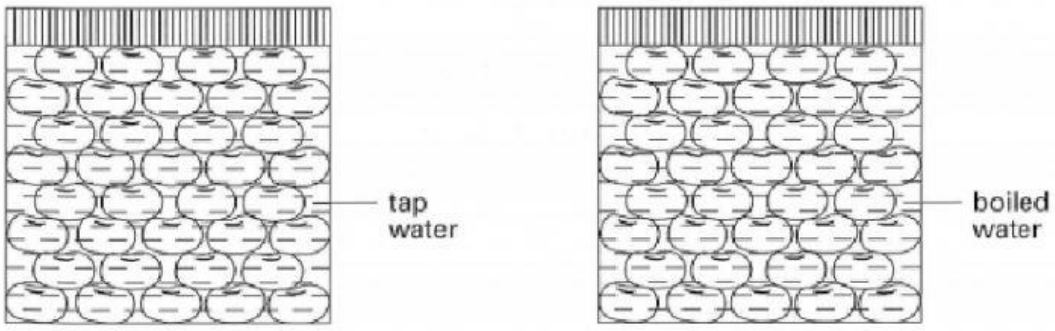
(3) a pigeon can fly but a platypus cannot

(4) a platypus lays eggs but a bat does not

( )

5.

The diagrams below show two jars in an experiment. Both jars contained green beans and tap water or boiled water. They were placed side by side in a classroom.



Jar A Jar B

After a day, some of the green beans in jar A germinated but none of those in jar B did. Which of the following is the best explanation?

(1) The water in jar B had very little air in it.

(2) The seeds in jar B could not make food.

(3) The space in jar B was not enough for the seeds to germinate.

(4) The water in jar B was too hot for the seeds to germinate.

( )

6. Here are three processes involved in the sexual reproduction in plants.

A Pollination

B Fertilisation

C Production of reproductive cells

Which statement is correct?

(2) C occurs in the anthers only.

(1) A and B occurs in the ovary.

(3) B occurs in both the male and female reproductive parts.

(4) A occurs between the male and female reproductive parts. ( )

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Section B: Open-ended questions (20 pts)

7. Insect G visits the flowers of plant F

a) Write one characteristic which help the flower increase the chance to be pollinated by insect G

_____

b) What happen to Part C of the flower after fertilisation?

_____

c) Why does the insect G visit flower?

_____

d) How does plant F benefit from insect G?

_____

e) What does "pollination" mean? (explain in English)

_____

_____

********** **End of Paper** **********