

**RIVER VALLEY PRIMARY SCHOOL  
SEMESTRAL ASSESSMENT 1 / 2015  
PRIMARY 3**

**SCIENCE**

**(BOOKLET A)**

Name : \_\_\_\_\_ ( ) Date : 12<sup>th</sup> May 2015

Class : P3 \_\_\_\_\_ Total Time for Booklet A & Booklet B : 1 hr

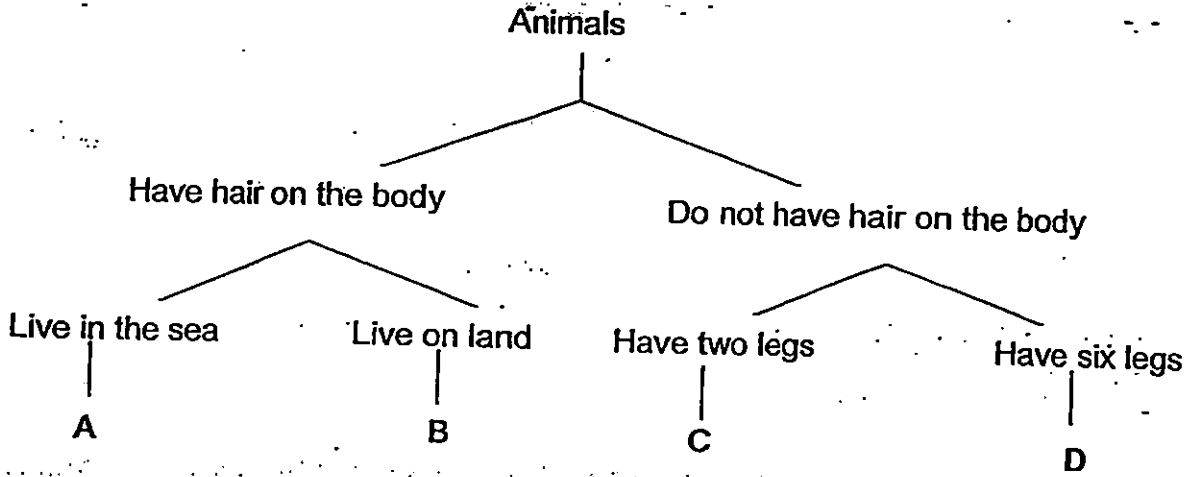
**INSTRUCTIONS TO CANDIDATES**

1. Write your name, index number and class in the space above.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. For Section A, shade your answers for questions 1 to 15 in the Optical Answer Sheet (OAS) provided.
6. For Section B, write your answers for questions 16 to 20 in the space provided in the booklet.
7. The total marks for Booklet A is 30 marks.

**Section A (30 marks)**

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

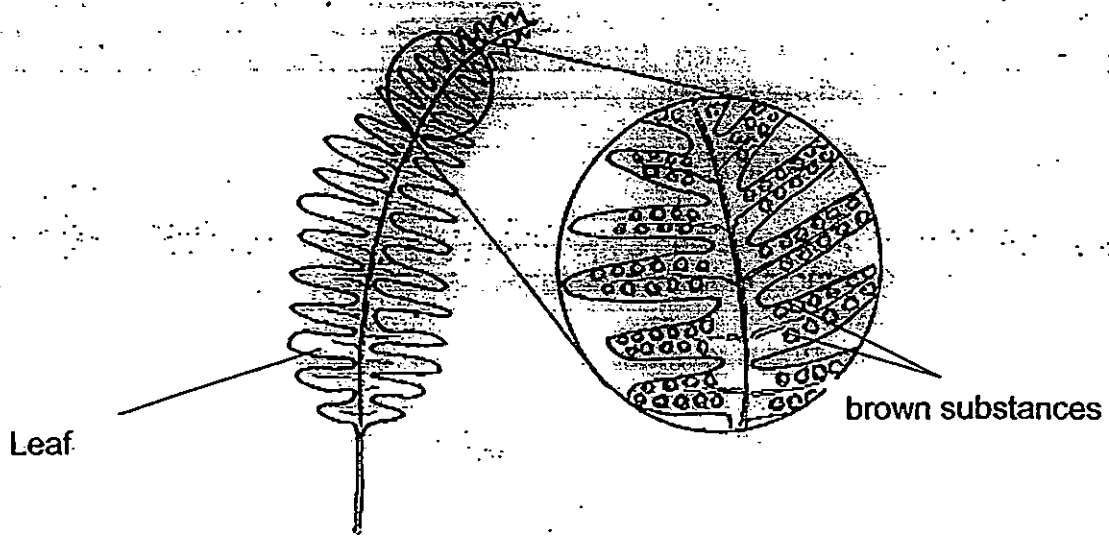
1. The chart below shows the classification of four animals – A, B, C and D.



Which of the following ( A, B, C or D) is most probably an insect?

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

2. Some girls came across an organism. When they observe closely, they found brown substances on it. The sketch that one of them made is shown below.



Based on the diagram above, which of the following groups can this organism be placed in?

**Group A:**  
Grows from spores

**Group B:**  
Bears flowers

**Group C:**  
Makes its own food

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

3. Four pupils went on a hiking trip with their Science teacher. They saw a huge tree. Their teacher told them to study the tree carefully and write an observation about it. The children recorded the following observations.

Jacinta : It has entire edge leaves.

Samy : It has yellow flowers that grow in bunches.

Ismail : The fruit of the tree has a hair outer covering.

Hui Min : It has long roots that grew deep into the ground.

Which of the above students made a statement that is not based on his / her observations?

- (1) Samy
- (2) Ismail
- (3) Jacinta
- (4) Hui Min

4. Ferns are considered plants because they \_\_\_\_\_.

- A : can be eaten
- B : need air, food and water
- C : do not produce flowers
- D : can make their own food

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

5. Sammy found Organism A in the garden and listed down the following observations.

Observations	Organism A
Able to make its own food	No
Able to move from one place to another	Yes
Needs air, water and food	Yes

Which of the following can Organism A be?

W : Ant

X : Cat

Y : Mushroom

Z : Mango Tree

- (1) W only
- (2) W and X only
- (3) W, X and Y only
- (4) W, X, Y and Z only

6. Three pupils Ram, Mary and David were talking about Organism X.

Ram: Some of them make us sick.

Mary: I can't see them. They are very tiny.

David: Some of them can be used to make yogurt.

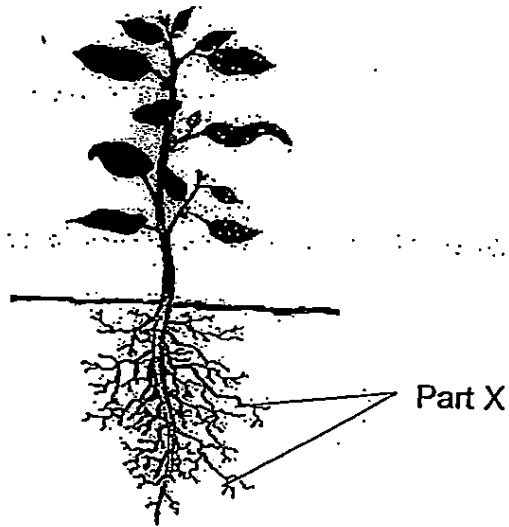
Which of the following could Organism X be?

- (1) Moss
- (2) Mould
- (3) Bacteria
- (4) Strawberry

7. Which of the following statements is true about micro-organisms?

- (1) They do not need air, food and water.
- (2) Yeast is an example of micro-organisms.
- (3) They can be seen using a magnifying glass.
- (4) Bacteria are micro-organisms found only in air.

8. Study the diagram below.

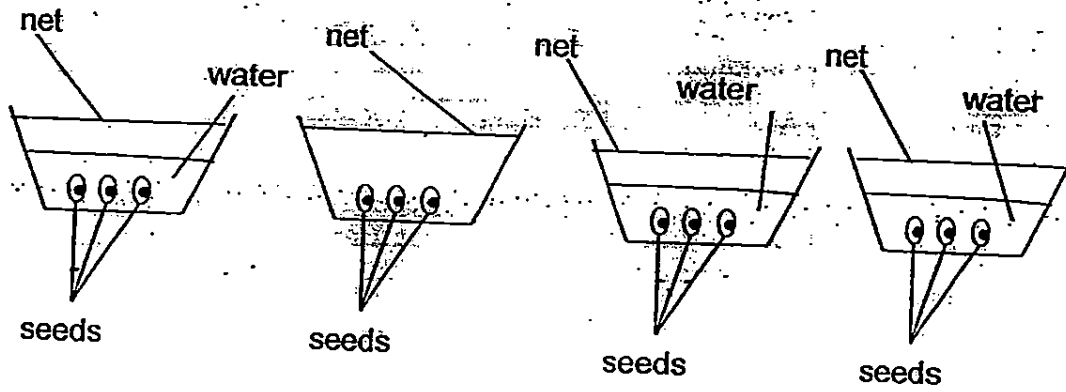


Which of the following is a function of Part X?

- A: They make food.
- B: They absorb water and minerals. /
- C: They help the plants to reproduce.
- D: The hold the plant upright for sunlight/

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

14. Look at the set-ups below.



**Set-up A**

(In a fridge at 4°C)

**Set-up B**

(In the field)

**Set-up C**

(On the dining table)

**Set-up D**

(In a dark room)

Which of these setup(s) would the seeds germinate in?

(1) Set-up B only

(2) Set-up C only

(3) Set-ups A and C

(4) Set-ups C and D

5. Wani planted four plants A, B, C and D, into four similar pots. She placed the plants under different conditions.

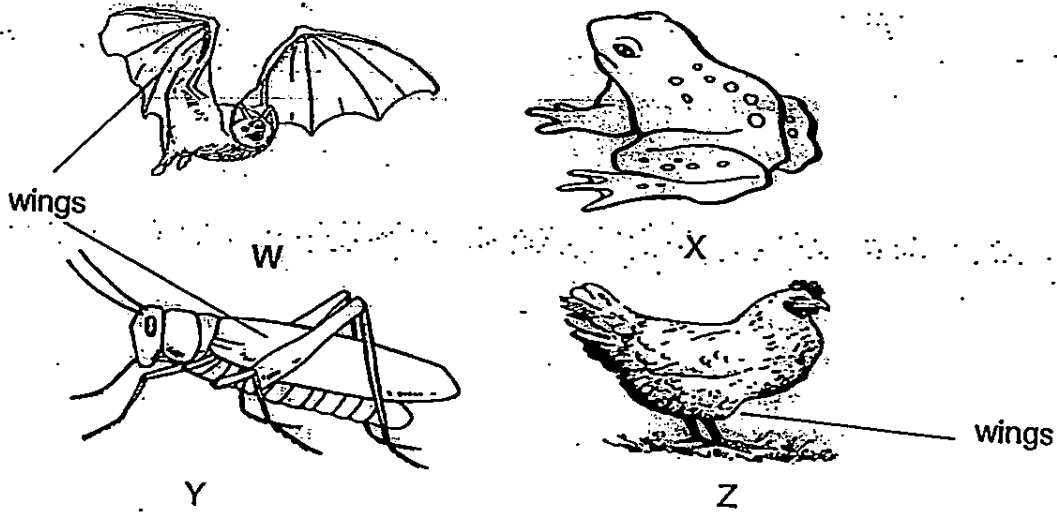
Plant	Conditions		
	Air	Sunlight	Water
A	Yes	Yes	Yes
B	No	Yes	Yes
C	Yes	No	Yes
D	No	Yes	No

Looking at the table above, which plant, A, B, C or D, will survive after a few weeks?

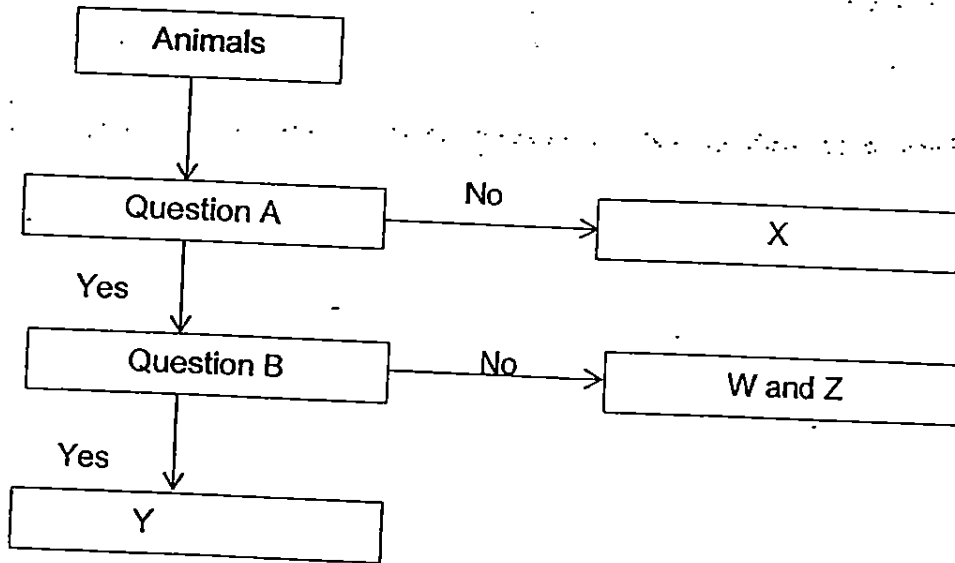
- (1) A only
- (2) B and C only
- (3) B, C and D only
- (4) A, C and D only



12. Study the pictures below.



Ali classified the animals using the flowchart below.



What are the two questions, A and B, which will help Ali classify the animals?

	Question A	Question B
(1)	Do they have wings?	Do they have 6 legs?
(2)	Do they have 4 legs?	Do they have wings?
(3)	Do they have wings?	Do they have 4 legs?
(4)	Do they have 4 legs?	Do they have 6 legs?

13. Jane, Mary and Sue observed leaves J and K as shown below. They each made a statement about the leaves.

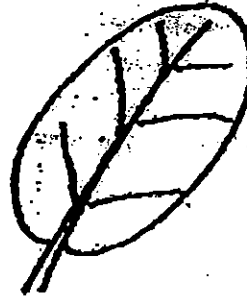
Jane: Both leaves have the same edge.

Mary: Leaf J has a jagged edge but Leaf K has an entire edge.

Sue: Leaf J has an oval shape but Leaf K has a heart shape.



Leaf J



Leaf K

Which of the following pupil(s) has/have made the correct statement(s)?

- ( 1 ) Sue only
- ( 2 ) Mary only
- ( 3 ) Jane and Mary only
- ( 4 ) Mary and Sue only

9. Which of the following statements show that living things respond to changes?

A : A deer runs away when it sees a tiger.

B : A turtle hides in its shell when we touch it.

C : Tom screams and runs away when he sees a snake.

D : The leaves of the mimosa closes when they are touched.

(1) A and B only

(2) B and D only

(3) A, B and C only

(4) A, B, C and D only

10. Vidya observed an adult animal and recorded the following information.

- It has four legs.
- It has no fins and no gills.
- It can live both in water and on land.
- It lays eggs in water.

Based on the information given, which of the following statements are true?

A : The animal is not a bird.

B : The animal is not a fish.

C : The animal is not a mammal.

D : The animal is not an insect.

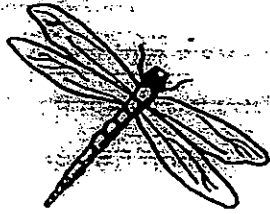
(1) A and B only

(2) C and D only

(3) B, C and D only

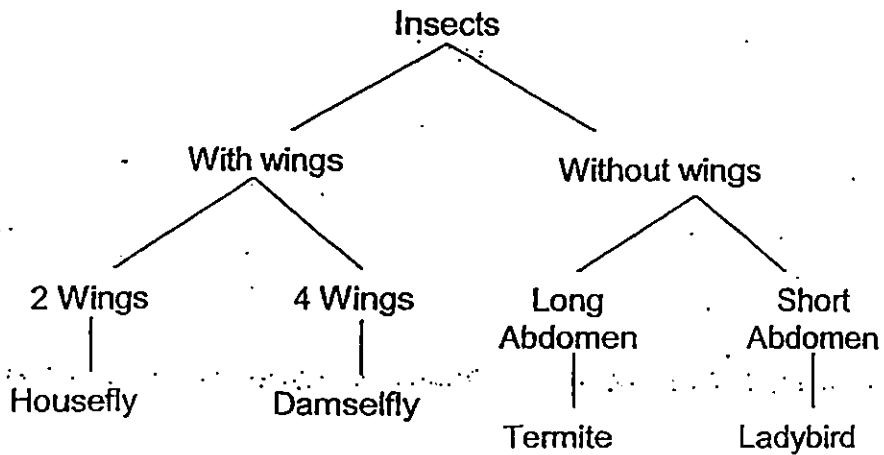
(4) A, B, C and D only

11. John found Insect S while he was camping.



Insect S

He then used the chart below to identify Insect S.



Based on the diagram and the chart, which of the following could Insect S be?

- ( 1 ) Termite
- ( 2 ) Ladybird
- ( 3 ) Housefly
- ( 4 ) Damselfly

**RIVER VALLEY PRIMARY SCHOOL**  
**ASSESSMENT 1 / 2015**  
**SCIENCE**  
**(BOOKLET B)**

Name : \_\_\_\_\_ ( ) Date : 12<sup>th</sup> May 2015

Class : P3 \_\_\_\_\_ Total Time for Booklet A & Booklet B : 1 hr

**INSTRUCTIONS TO CANDIDATES**

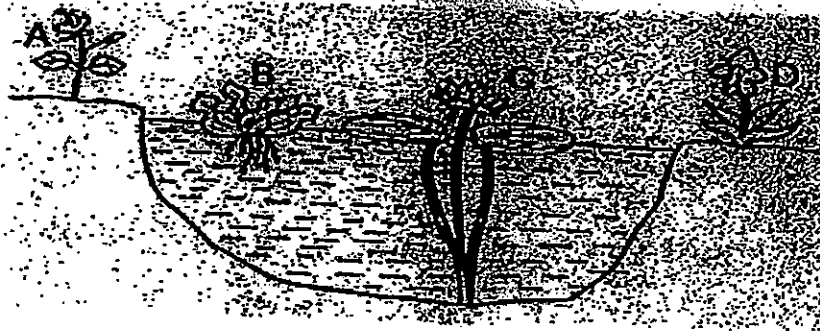
1. Write your name, index number and class in the space above.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. For Section A, shade your answers for questions 1 to 15 in the Optical Answer Sheet (OAS) provided.
6. For Section B, write your answers for questions 16 to 20 in the space provided in the booklet.
7. The total marks for Booklet B is 20 marks.

Booklet A		/30
Booklet B		/20
Total		/50
Parent's Signature		

**Section B (20 marks)**

Write your answers to questions 16 to 20 in this booklet.

16. The diagram below shows some flowering plants.



a) Classify Plants A, B, C and D in the classification table below. [2m]

Land Plants	Water Plants

b)



Plant E

State a difference between Plant D and Plant E. [1m]

---



---

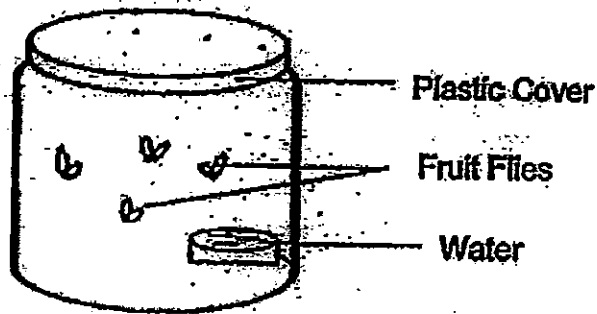
c) Zoe said that a mushroom can be classified in the same group as Plant A. Do you agree? Explain your answer. [1m]

---



---

17. Jerome placed four fruit flies in a jar as shown below.



a) State one living thing and one non-living thing from the picture above. [2m]

Living thing - : \_\_\_\_\_

Non-living thing : \_\_\_\_\_

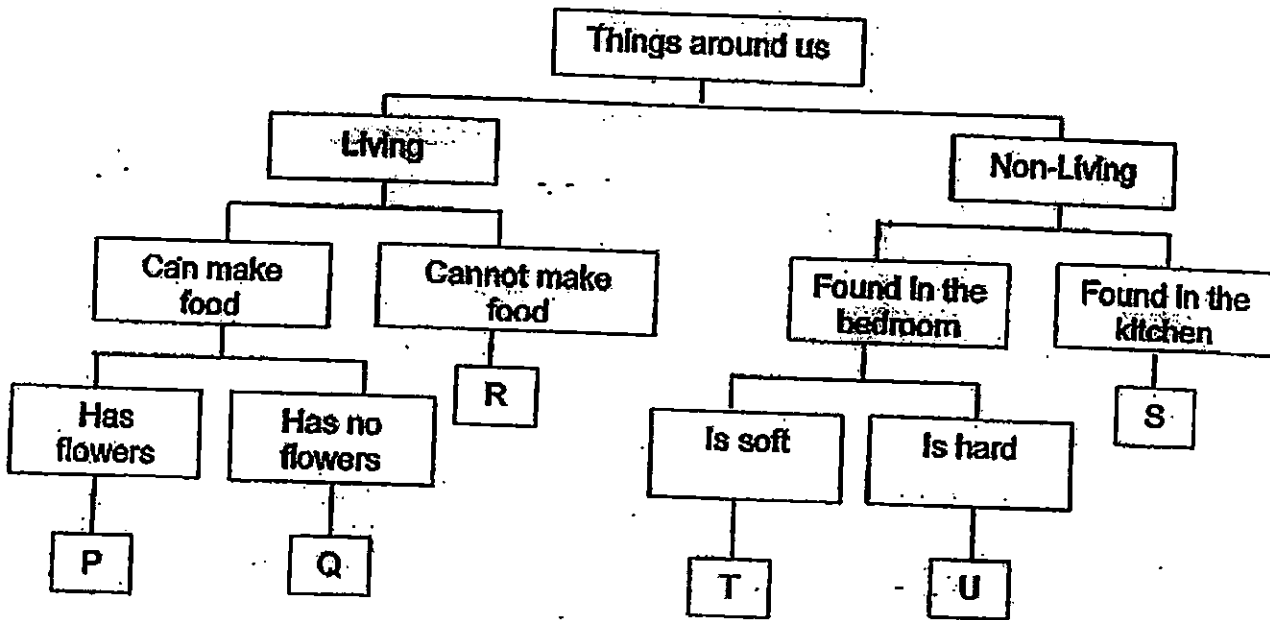
b) State two things that Jerome should do to ensure that the fruit flies would be alive in the jar for some time. [2m]

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

	4
--	---

18. Study the classification chart below



a) Based on the flowchart, state the characteristics of Q. [1m]

---

---

b) What is the difference between S and U? [1m]

---

---

c) What is the similarity between P and R? [1m]

---

---

d) In which group ( P, Q, R, S, T or U) would you place the following things? [1m]

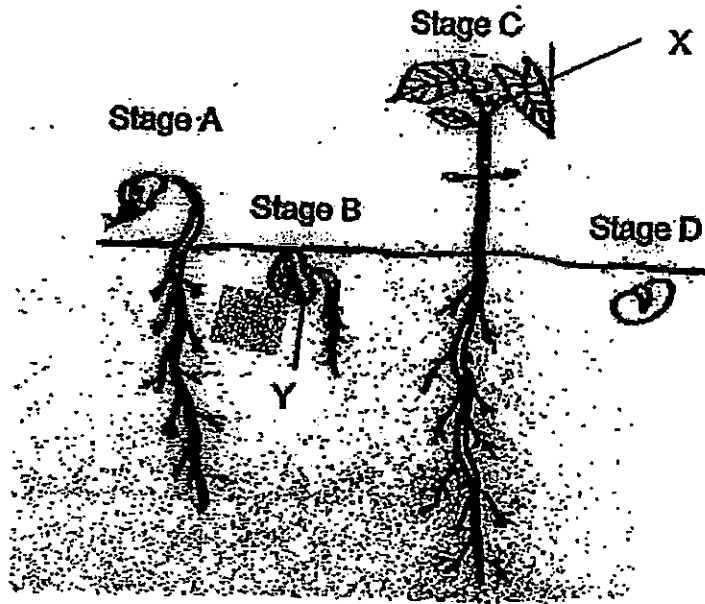
i) Parrot : \_\_\_\_\_

ii) Pot: \_\_\_\_\_

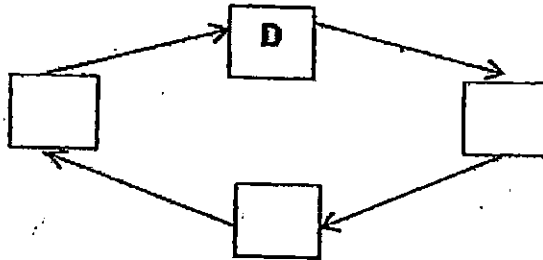
	4
--	---



19 The diagram below shows the stages of the growth of a bean plant from a seed. Study the diagram to answer the following questions.



a) Arrange the stages (A, B, C, D) of the growth of the bean plant in the correct order. [1m]



b) What conditions are needed for the seed to germinate? [1m]

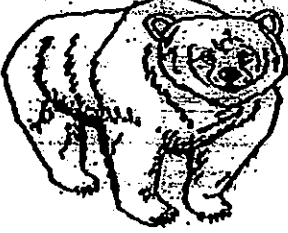

	2
--	---

c) Fill in the table below with the name or function of both Part X and Y. [2m]

	Name	Function
Part X	(i) _____	To make food for the plant.
Part Y	Seed-Leaf	(ii) _____

	2
--	---

20 Fill in the table below. State the animal groups of the animals in the picture and ONE other common characteristic that is shared by organisms in each of the animal group. [4m]

Animals	Animal Group	Characteristics
 <p data-bbox="159 609 295 651">Animal X</p>	<p data-bbox="422 409 718 451">a) _____</p>	<p data-bbox="750 378 1157 430">i) <u>Give birth to young alive.</u></p> <p data-bbox="750 451 1244 493">ii) _____</p> <p data-bbox="805 546 1244 577">_____</p>
 <p data-bbox="159 945 295 987">Animal Y</p>	<p data-bbox="414 735 710 777">b) _____</p>	<p data-bbox="750 703 1013 756">i) <u>Have feathers.</u></p> <p data-bbox="750 777 1244 819">ii) _____</p> <p data-bbox="805 871 1244 903">_____</p>

	4
--	---



**EXAM PAPER 2015**

**SCHOOL : RIVER VALLEY**

**SUBJECT : P3 SCIENCE**

**TERM : SA1**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	2	4	1	2	3	2	2	4	4
Q11	Q12	Q13	Q14	Q15					
4	1	2	2	1					

**16)a) Land Plants**

**Plant A**

**Plant D**

**Water Plants**

**Plant B**

**Plant C**

**b) Plant E is a non-flowering plant but Plant D is a flowering plant.**

**c) I do not agree with her. Mushroom is not a flowering plant while Plant A is a flowering plant.**

**17) a) Living thing: fruit flies      Non-living thing: Plastic cover, water**

**b) i) She could poke some holes on the plastic cover so there is air.**

**ii) She could put some food in the jar so the fruit flies would not die.**

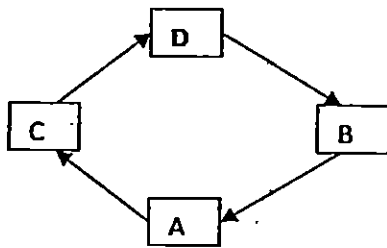
18) a) Q is not a flowering plant.

b) S is found in the kitchen but U is found in the bedroom.

c) Both P and R are plants.

- d) i) R    ii) S

19) a)



b) It need sunlight, water and nutrients to germinate.

c) i) leaf

ii) to provide food for the plant

20) a) Mammal

aii) Have an outer covering of fur

b) Bird

bii) Lay eggs.