

Methodist Girls' School (Primary)
Science Topical Test 1

Name: _____ () Class: P3. _____ Date: _____ Marks: ____ / 50

Section A [30 marks]

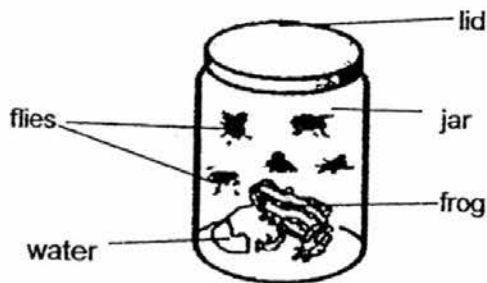
For each question from 1 to 15, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade the correct bubble in the OAS.

1. Study the characteristics of four things, A, B, C and D.

	Ability to move from place to place	Needs water	Reproduces	Respond to changes
A	No	Yes	No	No
B	Yes	Yes	Yes	Yes
C	Yes	Yes	Yes	No
D	Yes	No	No	No

Which one is most likely to be a living thing?

- (1) A
(2) B
(3) C
(4) D
2. Mindy put a frog into a jar containing some water and put in a few fruit flies. She then replaced the lid of the jar and secured it tightly.



The frog died the next day because there is not enough _____.

- (1) air
(2) light
(3) food
(4) water

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3. Which of the following animals can be grouped together?

A:



B:



C:



D:



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

4. A group of boys were playing in the school field when they came across a patch of mimosa plants. They touched it and the leaves closed.

Their observation shows that living things _____.

- (1) can grow
- (2) reproduce
- (3) move from place to place
- (4) respond to changes around them

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5. During a Science lesson, three pupils made the following statements.

Wen Chai : Animals are the only living things.

Siti : When I touch an earthworm, it will curl up. Therefore the earthworm is a living thing.

Rama : When I press a lump of plasticine, it will change shape. It shows that the plasticine responds to my touch.

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

- (1) Siti only
 - (2) Rama only
 - (3) Wen Chai only
 - (4) Wen Chai and Siti only
6. Some girls while strolling in the garden came across a plant as shown below.



Which of the following characteristics below correctly describe the plant?

- A : Bears flowers
- B : Grows from spores
- C : Makes its own food

- (1) A and B only
- (2) A and C only
- (3) B and C only
- (4) All of the above

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7. Study the diagrams below carefully.



X

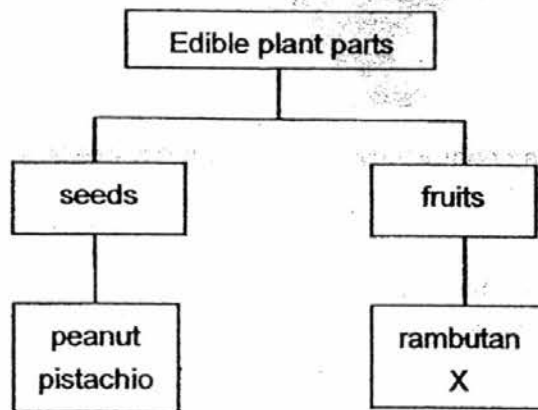


Y

Which one of the following options shows the similarity and difference between the two living things, X and Y?

	Similarity	Difference
(1)	Both X and Y have roots.	X has leaves but Y doesn't.
(2)	Both X and Y reproduce by spores.	X cannot make its own food but Y can.
(3)	Both X and Y reproduce by seeds.	X reproduce by spores but Y reproduce by seeds.
(4)	Both X and Y are living things.	X respond to changes but Y does not.

8. Study the classification chart below.

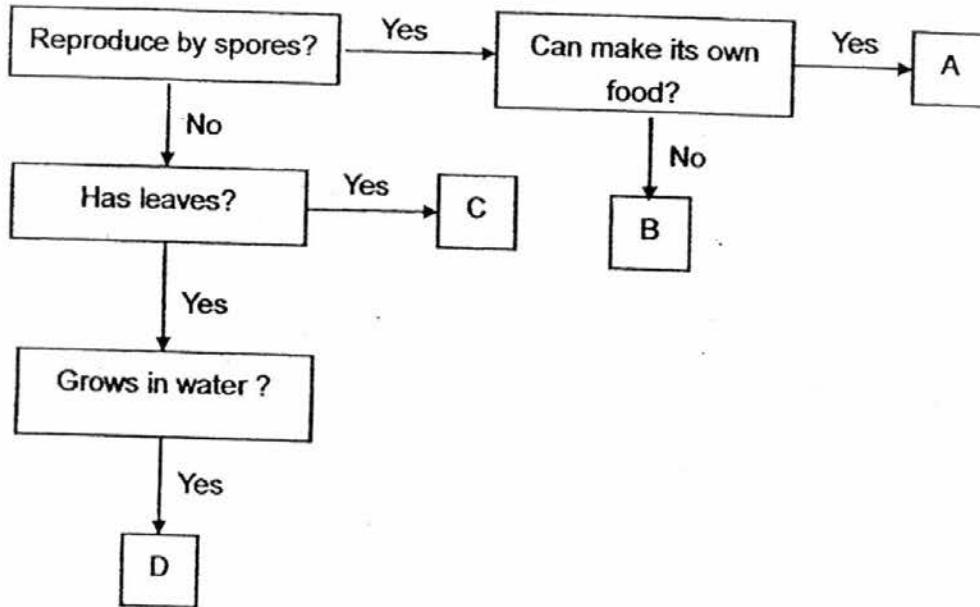


Which one of the following can X be?

- (1) carrot
- (2) potato
- (3) lemon
- (4) cauliflower

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9. Study the flowchart below carefully.



Which pupil made a correct statement about the flowchart?

Yati : B and C are ferns.

Bobby : A is a non-flowering plant.

Ali : A, B and C can make their own food.

Rani : Toadstools can be placed at B.

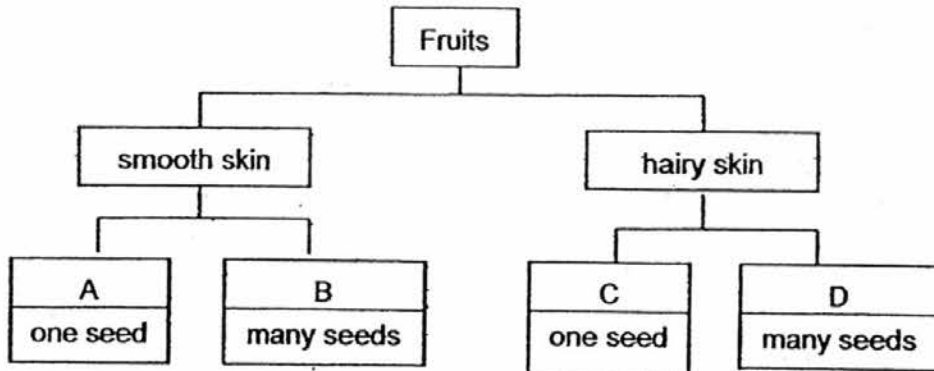
- (1) Ali and Yati only
- (2) Ali and Rani only
- (3) Bobby and Yati only
- (4) Bobby and Rani only

10. Which one of the following statements is correct?

- (1) Flowering plants make food but non-flowering plants do not.
- (2) Flowering plants produce fruits but non-flowering plants do not.
- (3) Flowering plants respond to changes but non-flowering plants do not.
- (4) Flowering plants are living things but non-flowering plants are non-living things.

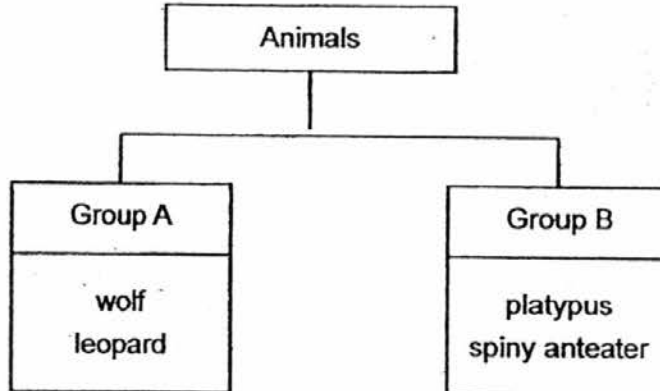
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11. Study the classification diagram below carefully.



In which box would you classify the tomato?

- (1) A
 (2) B
 (3) C
 (4) D
12. Study the classification diagram below carefully.

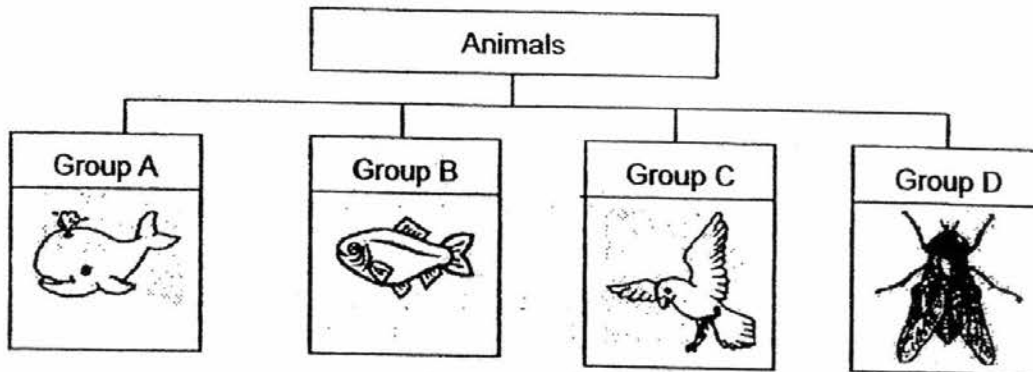


Which one of the following pairs of headings best represents Group A and Group B?

	Group A	Group B
(1)	live on land	live in water
(2)	feed on animals only	feed on plants and animals
(3)	give birth to live young	lay eggs
(4)	have hair on their bodies	have scales on their bodies

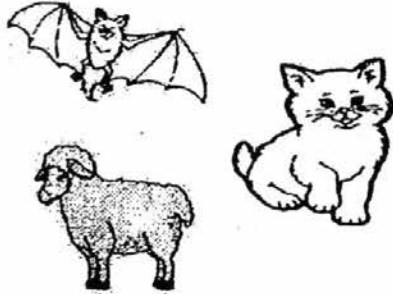
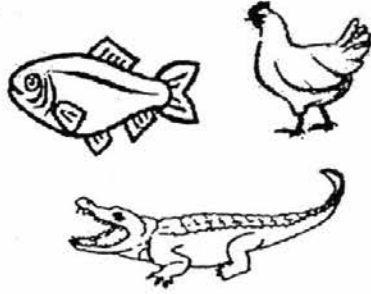
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13. The classification chart below shows four different groups of animals, A, B, C and D.



If Animal Z has hair on its body and can fly, in which group would you classify it?

- (1) Group A
 - (2) Group B
 - (3) Group C
 - (4) Group D
14. Study the table below carefully.

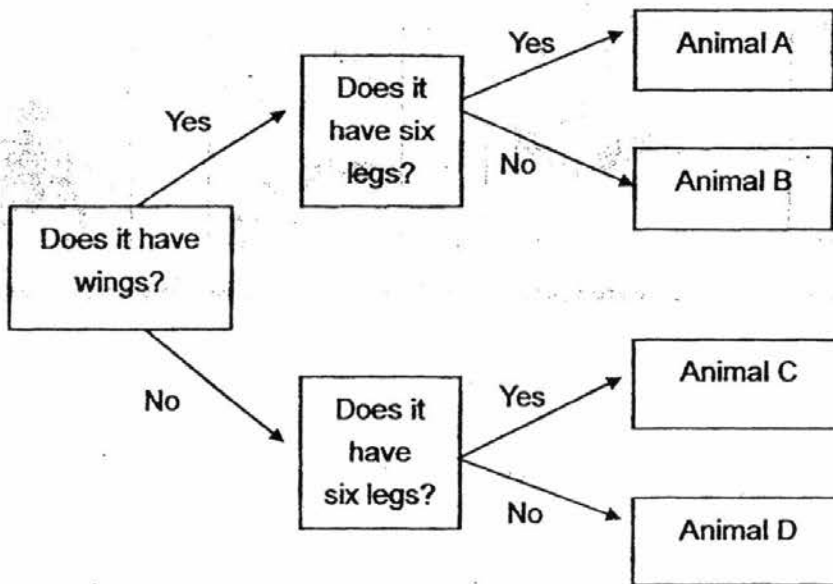
X	Y
	

The animals have been grouped according to _____.

- (1) the food they eat
- (2) the way they move
- (3) their body covering
- (4) the way they reproduce

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15. Study the flow chart below carefully.



Which one of the animals, A, B, C or D, represents the animal shown below?

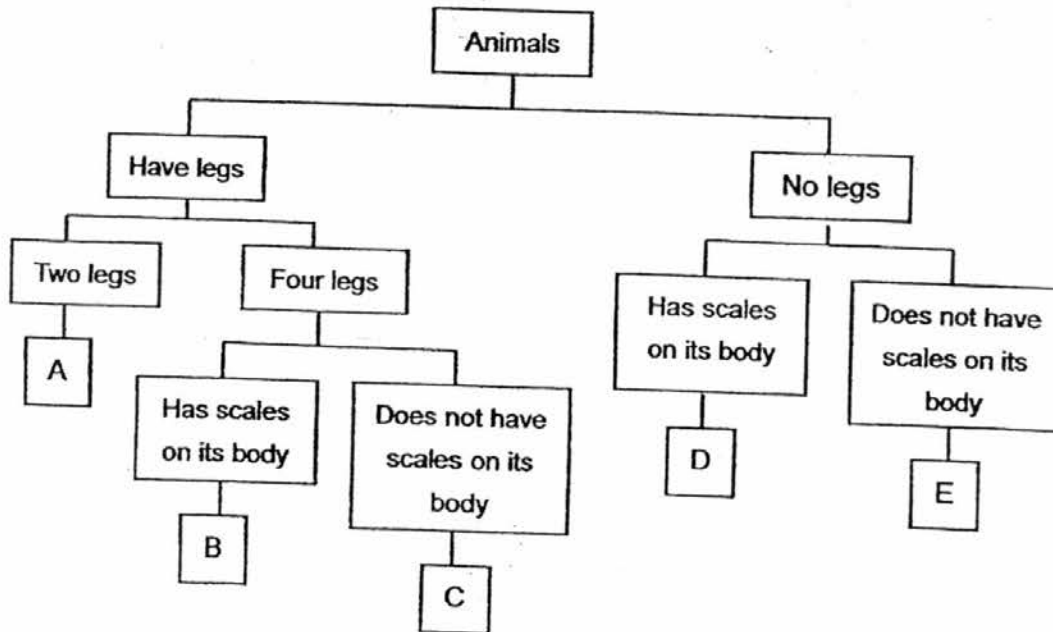


- (1) A
- (2) B
- (3) C
- (4) D

Section B [20 marks]

For questions 16 to 22, write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part question.

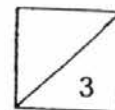
16. Animals A, B, C and D are classified in the chart below.



(a) State a similarity between Animal B and Animal D. [1]

(b) Give a difference between Animal C and Animal E. [1]

(c) Give an example of an animal that has the characteristics of Animal D. [1]



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17. Study the two organisms, A and B.



A



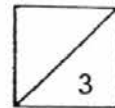
B

- (a) Do organisms A and B belong to the same group of animals? Give two reasons for your answer. [2]

Reason 1 : _____

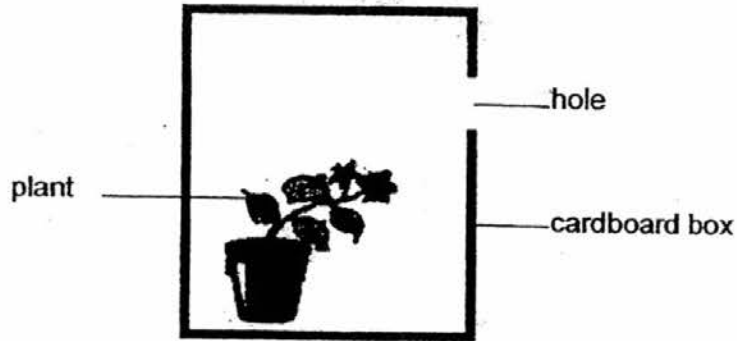
Reason 2 : _____

- (b) How do organisms A and B reproduce? [1]

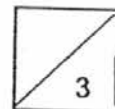


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18. Selina bought a new plant and she placed it in a cardboard box as shown below. Although the plant looks healthy, its stem is slanting towards the right.



- (a) Why is the stem of the plant growing in a slanted way? [1]
-
-
- (b) What can Selina do to make her plant grow straight again? [1]
-
-
- (c) Besides sunlight, name two other conditions needed by the plant for healthy growth? [1]
-



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19. The diagram below shows a fruit cut into half.



- (a) Name the part marked X. [1]

- (b) Why is part X of the fruit important? [1]

- (c) How do plants without part X reproduce? [1]

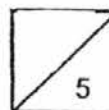
20. A seahorse does not look like a typical fish. It has an armoured body instead of scales. However, it is classified as a fish.



Give two reasons why the seahorse is classified as a fish. [2]

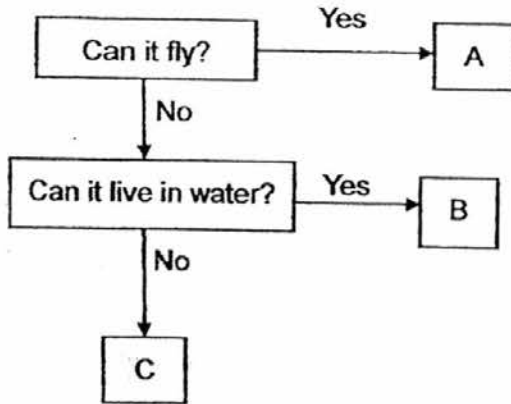
Reason 1 : The seahorse has _____ to help it _____.

Reason 2 : The seahorse has _____ to help it _____.



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21. Study the flowchart below.



(a) Which letters, A, B or C, best represent the following animals?
Write the answer in the box below each diagram.

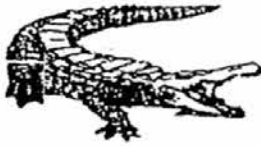
[1]





The pictures below show a crocodile and a salamander.

crocodile



salamander

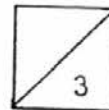


(b) Do the crocodile and the salamander belong to the same group of animals?
Give a reason for your answer.

[1]

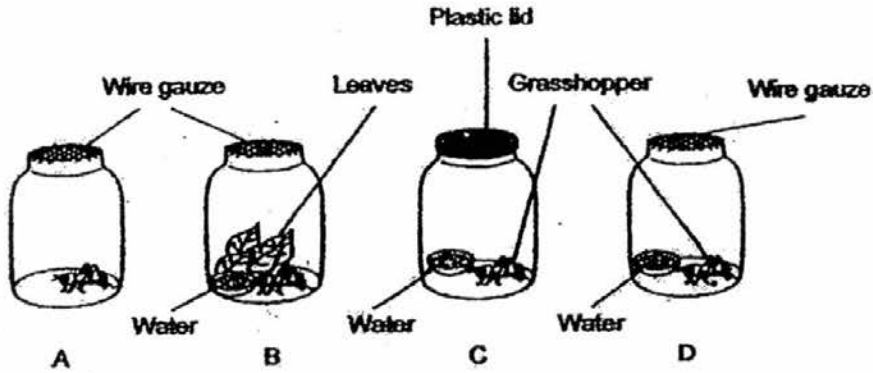
(c) Why is the salamander able to live on land and in water?

[1]



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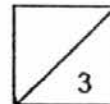
22. Four grasshoppers of similar size were placed into 4 set-ups, A, B, C and D as shown in the diagram below.



(a) In which set-ups, A, B, C or D would the grasshopper die first? Explain why. [1]

(b) Which two set-ups could be used to compare and find out if food is needed by the grasshopper? [1]

(c) What must be done to ensure that the grasshopper in container A survives? [1]



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YEAR : 2016
LEVEL : PRIMARY 3
SCHOOL : METHODIST GIRLS'
SUBJECT : SCIENCE
TERM : CA1

Topical Test 1

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

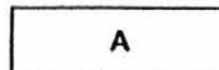
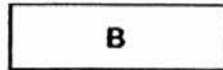
- Q16 (a) Animal B and Animal D both have scales on its body.
(b) Animal C has four legs but Animal has no legs.
(c) A snake.
- Q17 (a) Reason 1 : A has 6 legs, B has 8 legs.
Reason 2 : A has feelers, B does not have.
(b) Both organisms A and B lay eggs.
- Q18 (a) It is growing towards the light.
(b) Make the hole on the top.
(c) Water and air.
- Q19 (a) Seeds
(b) It can reproduce with the help of Part X.
(c) By spores.

Q20 Reason 1 : The seahorse has gills to help it breathe.

Reason 2 : The seahorse has fins to help it swim.

Q21

(a)



(b) No. Crocodile has scales while salamander has moist skin.

(c) It has lungs and moist skin to live both in water and on land.

Q22

(a) It has no air.

(b) Set-up B and set-up D.

(c) It must have food and water.

End