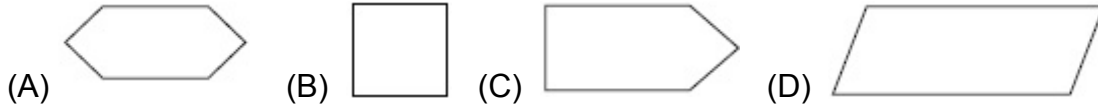


## CLASS-IV

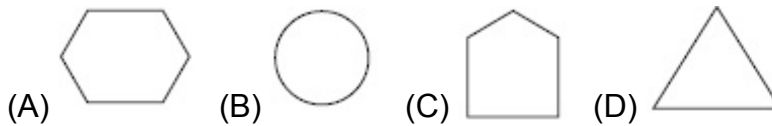
## SCIENCE

### SECTION-1 (LOGICAL REASONING)

1. Namita drew a figure having all equal sides. Which could be the figure she drew?



1. Which could be one of the faces of a cylinder?



1. The number of squares in the given figure is \_\_\_\_\_.

(A) 5 (B) 6 (C) 4 (D) None of these

### SECTION-2 (SCIENCE)

1. Study the given graph carefully.

The line QR shows the \_\_\_\_\_ stage of the mosquito.

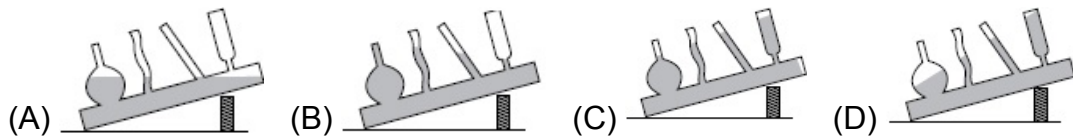


(A) Egg (B) Larval (C) Pupal (D) Adult

1. Refer to the given figure. Which of the following CANNOT be X?

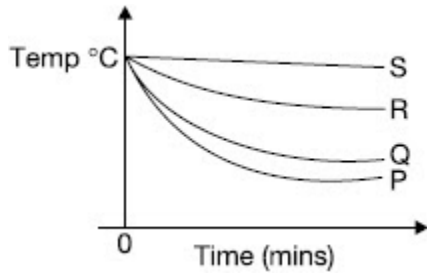


- (A) Oxygen (B) Carbon dioxide (C) Water (D) None of these
1. The energy that an object gets from its motion is
- (A) Electrical energy (B) Chemical energy  
(C) Kinetic energy  
(D) Potential energy.
1. Shashank filled a communicating vessel with water as shown in the picture. Then he tilted the vessel to left by putting a block under its right end. Which of the following options is the best illustration to show the water level in the vessel?



1. The festival of Holi marks the beginning of \_\_\_\_\_.  
(A) Autumn (B) Winter (C) Spring (D) Summer
1. Arpit carried out an experiment to find out which kind of container is best for keeping the food hot. He put the same amount of food into 4 containers made of different materials which were of the same size and thickness and placed them in the same external condition. The result of his experiment was recorded on the graph as shown.

Based on results, which container, P, Q, R or S, is the best for keeping the food hot?



(A) Container P (B) Container R (C) Container S (D) Container Q

1. Which of the following statements hold true regarding X and Y?

1. X depends partly on animals for food but can also make its own food while Y cannot make its own food.
2. X has chlorophyll while Y does not contain chlorophyll and is non-green.
3. In X, food is prepared by the green stem, whereas Y obtains its food from dead and decaying plants and animals.
4. X and Y have patches of green colour. Only green part of their leaves performs photosynthesis.



X



Y

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

1. Which of the following teeth function in the same way as the object shown in the picture?

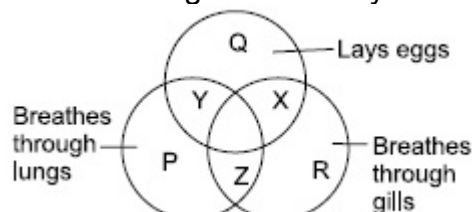


(A) Incisors (B) Canines (C) Premolars (D) Both (A) and (B)

1. Amongst the given birds, which one has climbing claws with two toes in the front and two behind?



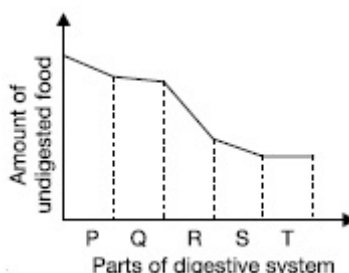
1. Study the given Venn diagram carefully. Which letter represents the hen?



- (A) Y (B) X (C) Z (D) R

### SECTION-3 (ACHIEVERS SECTION)

1. The given graph shows the changes in amount of undigested food as it progresses through the alimentary canal. Select the INCORRECT option regarding the parts labelled as P, Q, R, S and T.



- (A) Q and T are oesophagus and large intestine respectively.
- (B) P represents mouth where about 30% of carbohydrate is digested.
- (C) S is small intestine, where both digestion and absorption takes place.
- (D) R is stomach, the primary site of digestion of carbohydrate and protein.
1. 100 gms of three types of soil were put in a funnel and each funnel was put on an empty beaker using stands. Then 60 mL water was poured over each of them. The result is shown in the given figure. Identify the soil types and select the correct option.



- (A) X is clay and Y is loam. (B) Y is loam and Z is sand.  
(C) X is sand and Y is clay. (D) X is sand and Z  
is clay.

## ANSWERS

1. (B) 2. (B) 3. (A) 4. (B) 5. (C) 6. (C) 7. (A) 8. (C) 9. (C) 10. (B)  
11. (C) 12. (D) 13. (A) 14. (D) 15. (D)