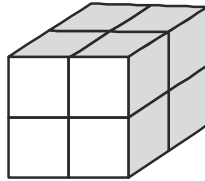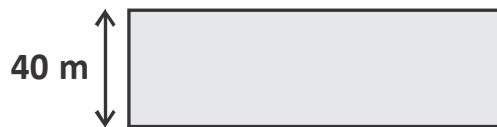**Class : 4**   *Mathematics*

1. The cube in the figure was cut and separated into three pieces.
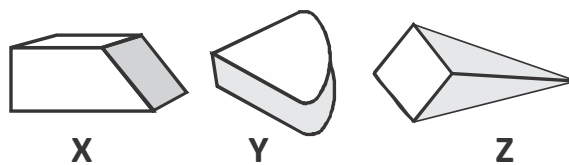

Which of the following groups could be the three pieces of the cube ?

(A)   (B)

(C)   (D)

2. Find the perimeter of a rectangular field if its length is three times its breadth.

(A) 302 m   (B) 3200 cm   (C) 408 m   (D) 320 m

3. Which one of the following figures has a face in the shape of a square ?

      X   Y   Z

(A) Only X   (B) Only Y

(C) Only Z   (D) Both X and Z

4. Which of the following words is not symmetrical along the dotted line ?
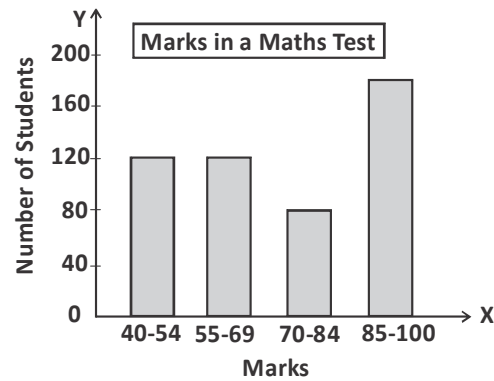
   (A) MUM

   (B) WOW

   (C) DAD

   (D) TOT

5. The bar graph shows the marks obtained by some students in a maths test. What fraction of students scored less than 70 marks ?
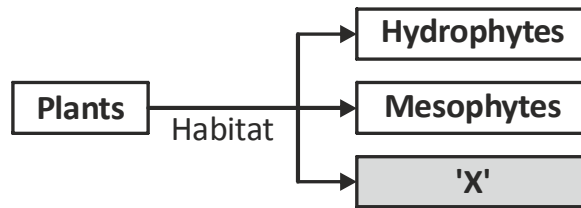

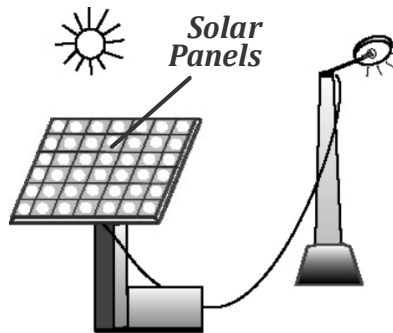   (A) $\dfrac{3}{4}$ (B) $\dfrac{2}{3}$ (C) $\dfrac{12}{25}$ (D) $\dfrac{6}{25}$

Class : 4   *General Science*

6.   **Identify 'X'.**

(A) Saprophytes   (B) Xerophytes

(C) Thallophytes   (D) Bryophytes

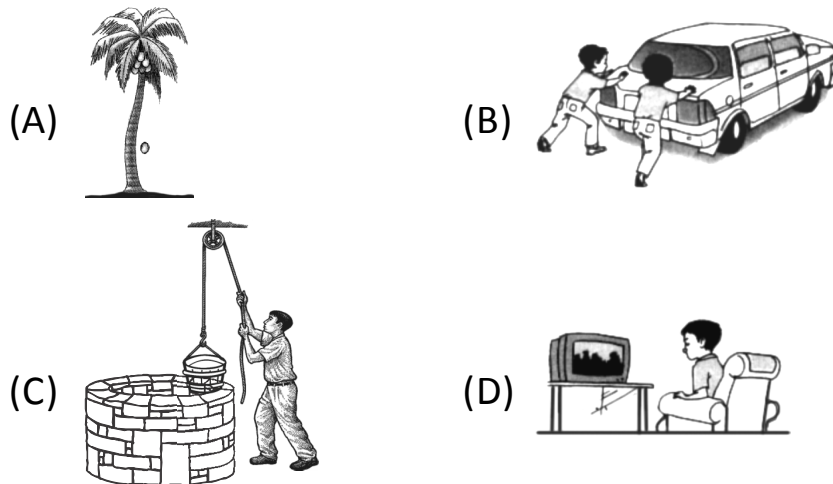**7.**   **Which of the following energy changes takes place in the figure shown here ?**

(A) Light energy→ Solar energy→ Electrical energy

(B) Solar energy→ Chemical energy→ Light energy

(C) Solar energy→ Electrical energy→ Light energy

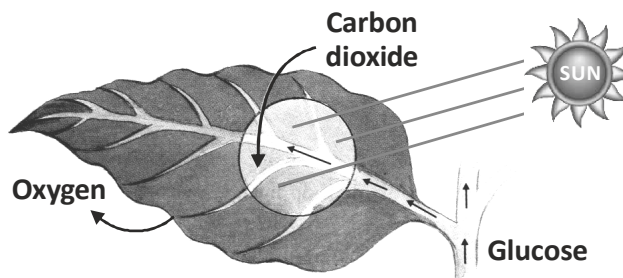(D) Light energy→ Electrical energy→ Solar energy

8.   **The disease Goitre is caused due to the lack of a certain class of food. Which of the following types of food should be consumed to reduce the risk of goitre ?**

(A) Rice   (B) Orange

(C) Fish   (D) Carrot

9. **Which picture shows a pushing force ?**

(A)

(B)

(C)

(D)

10. **Abhi was asked to label the following diagram showing the process of photosynthesis. He labelled some parts incorrectly.**

Which of the following shows incorrect labelling ?

(A) Oxygen   (B) Carbon dioxide

(C) Glucose   (D) All of these

Class - 4 **Critical Thinking**

11. The number from 1 to 7 were laid out in order to make an expression. Which option represents the correct placement of five $\boxed{+}$ operation cards.

$\boxed{1}$ **P** $\boxed{2}$ **Q** $\boxed{3}$ **R** $\boxed{4}$ **S** $\boxed{5}$ **T** $\boxed{6}$ **U** $\boxed{7}$ = 55

(A) P, Q, S, T, U   (B) P, Q, R, S, T

(C) P, Q, R, S, U   (D) P, R, S, T, U

12. Read the clues given.

• My uncle and aunt have different jobs. One is a driver, and the other works in an office.

• My parents and aunt has never driven a car.

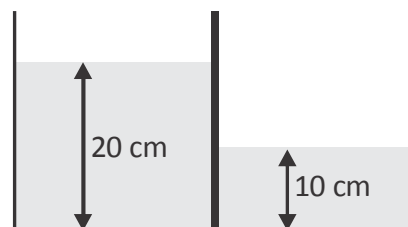• My dad and uncle share automobile business.

What is my uncle's occupation ?

(A) Employee   (B) Driver

(C) Business   (D) None of these

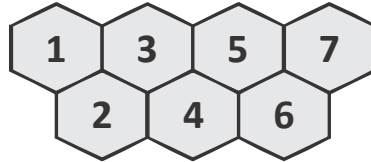**13.** How would the 4th drawing look like ?

(A)   (B)   (C)   (D)

14. In a water tank, a solid board was placed in the middle and water was poured into the two sides. If the board is taken out, what would the height of the water be in cm?

20 cm   10 cm

(A) 15   (B) 30   (C) 20   (D) 25

15. A bee wants to move from [1] to [7]. Each time the bee moves. It can only move adjacently to a greater number. How many ways are there for the bee to move to [7] ?

(A) 12   (B) 10   (C) 15   (D) 13