

1. Anshu wants to find the distance her unicycle moves on the side walk when the tyre makes one  $360^\circ$  rotation.

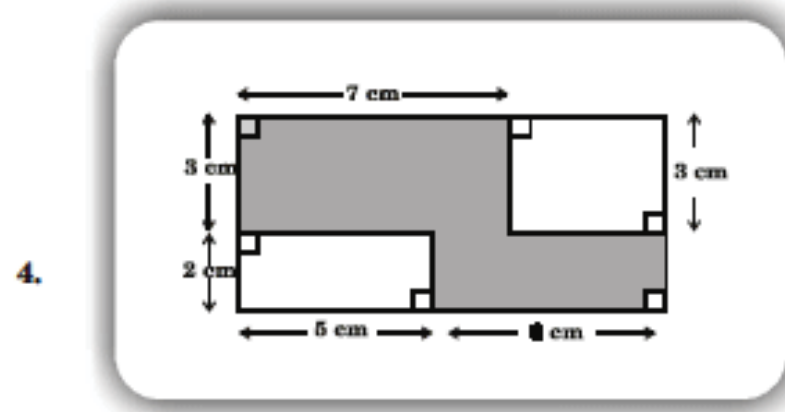
Which of the following best describes the distance in one  $360^\circ$  rotation?

- (A) The area of the tyre (B) The radius of the tyre  
 (C) The diameter of the tyre (D) The circumference of the tyre
2. A comet passed by the Earth in the year 1835. It passes by the Earth every 60 years. Based on this information, in which of the following year can the comet be expected to pass by the Earth?
- (A) 2035 (B) 2060 (C) 2075 (D) 2080



The diagram above shows a number line. The value of  $X - Y$  is:

- (A) -15 (B) -10 (C) 15 (D) 25



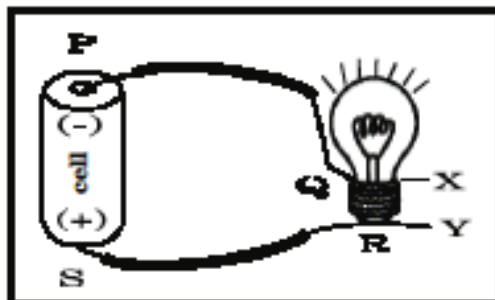
For the figure shown above, find the area, in  $\text{cm}^2$ , of the shaded portion.

- (A) 33 (B) 44 (C) 48 (D) None of these

5. Mr. Srinivas works on the 36<sup>th</sup> floor of an office complex. He goes down 33 floors to post a letter and then goes up 42 floors to a restaurant to take his lunch. On which floor is the restaurant?
- (A) 27 (B) 39 (C) 45 (D) 72

- If the plane of orbit of earth and moon would be a straight line, what would happen?
  - No eclipse will take place ever
  - Only solar eclipse will take place on every new moon day
  - Only lunar eclipse will take place on every full moon day
  - Both solar and lunar eclipse will take place on every new moon and full moon day

- Look at the given figure.



It consists of a cell, a bulb with the two terminals X and Y and wires with ends P & Q and S & R. The direction of current will be:

- PQRS
  - SRQP
  - PRQS
  - SQRP
- Table given below shows the properties of four objects.

Object	Property
P	Floats on water
Q	Elastic
R	Conducts heat
S	Absorbs water

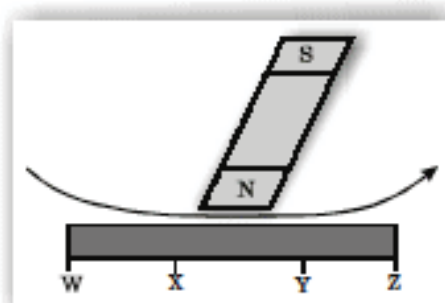
Which of the following objects is made of a metal?

- P
  - Q
  - R
  - S
- Using the most convenient units express the areas of various sizes as given below.
 

I	II
a. Hectare	1. 50 paise coin
b. $m^2$	2. Area of a cricket field
c. $km^2$	3. Area of a city
d. $cm^2$	4. Area of a state

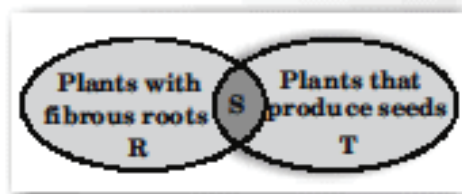
    - a - 1, b - 2, c - 3, d - 4
    - a - 4, b - 2, c - 3, d - 1
    - a - 2, b - 3, c - 1, d - 4
    - a - 2, b - 1, c - 3, d - 4

- Satish magnetised a piece of iron using the stroking method as shown in the figure. Which part of the iron rod will become the North seeking pole?



- W
- X
- Y
- Z

1. Figure given below shows the characteristics of some plants.



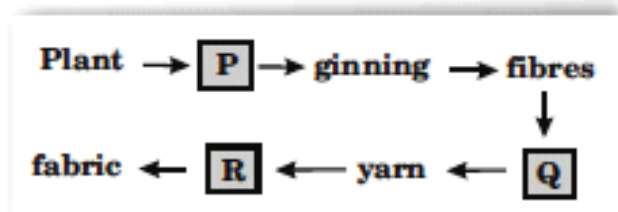
Which of the following plants is correctly represented by R, S and T?

R	S	T
(A) Paddy	Balsam	Orchid
(B) Maize	Paddy	Papaya
(C) Coconut	Fern	Hibiscus
(D) Mango	Maize	Sugarcane

2. Mr. X is suffering from goitre. What is the cause of this disease?

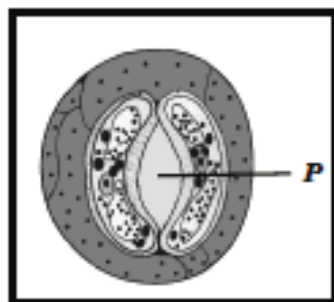
- (A) X eats too much much of fatty food      (B) X's food lacks vitamin B and C  
 (C) X does not eat enough seafood      (D) X's food lacks magnesium salts

3. The flow chart given below shows the production of cotton fabric. What could be P, Q and R?



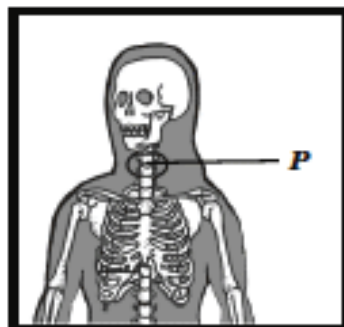
- (A) P - buds, Q - spinning, R - weaving      (B) P - bolls, Q - spinning, R - weaving  
 (C) P - bolls, Q - weaving, R - spinning      (D) P - bolls, Q - ginning, R - carding

4. Based on the figure given here, which substance is removed through P during daytime by plants?



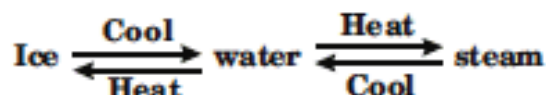
- (A) Oxygen      (B) Carbon dioxide      (C) Sugar      (D) Salt

5. Which of these joints are located at P?



- (A) Pivot joint      (B) Fixed joint      (C) Ball and socket joint      (D) Hinge joint

1. The flow diagram shows the process involving the change in different states of water. However the flow diagram is NOT correct.



Can you identify which of the following flow diagram is correct?

- (A)  $\text{Ice} \begin{array}{c} \xrightarrow{\text{Heat}} \\ \xleftarrow{\text{Cool}} \end{array} \text{water} \begin{array}{c} \xrightarrow{\text{Cool}} \\ \xleftarrow{\text{Heat}} \end{array} \text{steam}$       (B)  $\text{Ice} \begin{array}{c} \xrightarrow{\text{Heat}} \\ \xleftarrow{\text{Heat}} \end{array} \text{water} \begin{array}{c} \xrightarrow{\text{Cool}} \\ \xleftarrow{\text{Cool}} \end{array} \text{steam}$   
 (C)  $\text{Ice} \begin{array}{c} \xrightarrow{\text{Heat}} \\ \xleftarrow{\text{Cool}} \end{array} \text{water} \begin{array}{c} \xrightarrow{\text{Cool}} \\ \xleftarrow{\text{Heat}} \end{array} \text{steam}$       (D)  $\text{Ice} \begin{array}{c} \xrightarrow{\text{Heat}} \\ \xleftarrow{\text{Cool}} \end{array} \text{water} \begin{array}{c} \xrightarrow{\text{Heat}} \\ \xleftarrow{\text{Cool}} \end{array} \text{steam}$

2. Overhead cables need not be insulated because:

- (A) air is a bad conductor of electricity      (B) air is a good conductor of electricity  
 (C) bare wires conduct electricity better      (D) none of these

3. Which of these is NOT a physical change?

- (A) Dissolution of sulphur in carbon disulphide      (B) Dissolution of resin in alcohol  
 (C) Fermentation of cane juice      (D) Glowing of an electric bulb

4. The water cycle in nature involves the following processes sequentially:

- (A) evaporation, precipitation, condensation      (B) precipitation, condensation, evaporation  
 (C) evaporation, condensation, precipitation      (D) condensation, evaporation, precipitation

5. Which of the following statements is NOT true?

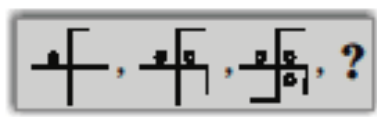
- (A) No more salt can be dissolved in a saturated solution of salt water without heating  
 (B) Water dissolves different amount of soluble substances in it  
 (C) A mixture of milk and water can be separated by filtration  
 (D) Salt is separated from sea water by evaporation





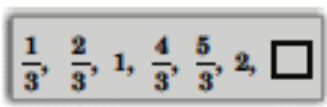
**Sample Questions** **GENERAL KNOWLEDGE** **Class VI**

1. Which figure should come next in the series given below?



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

2. Which number should come in the empty box in the number series given below?



- (A)  $\frac{7}{3}$  (B)  $\frac{8}{3}$  (C) 3 (D) 4

3. Who among the following persons shared the Nobel Prize for Peace for the year 2007 along with IPCC?

- (A) Yasser Arafat (B) Mohammed Yunus (C) Nelson Mandela (D) Albert Arnold Gore Jr.

4. Which cricket playing country has created a world record of winning 16 consecutive Test Matches?

- (A) Pakistan (B) South Africa (C) Australia (D) England

5. The Simla Pact was between:

- (A) Russia–India (B) India–Pakistan (C) India–China (D) India– Bangladesh

