

International Science Supremo Olympiad (ISSO)

CLASS-7 SAMPLE QUESTION PAPER

The Actual Question Paper Contains 50 Questions. The duration of the Test Paper is 60 Minutes.



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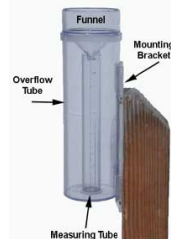
1. The organism in the given figure has a flattened body shape. This characteristic helps the organism to



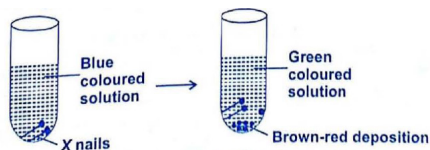
- (A) Survive for a long period without food
(B) Fly in the air
(C) Camouflage itself
(D) Crawl between crevices and spaces easily.
(E) None of these

2. The figure shows an instrument which is used to measure _____.

- (A) Earthquake
(B) Rainfall
(C) Storm
(D) Water level
(E) None of these



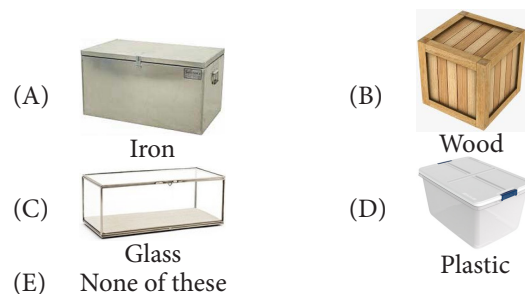
3. Study the given figure carefully.



Which of the following reactions explains the above change most appropriately?

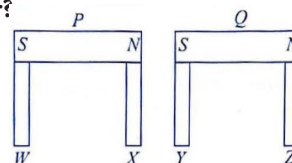
- (A) $\text{ZnSO}_4 + \text{Cu} \longrightarrow \text{CuSO}_4 + \text{Zn}$
(B) $\text{CuSO}_4 + \text{Fe} \longrightarrow \text{FeSO}_4 + \text{Cu}$
(C) $\text{FeSO}_4 + \text{Cu} \longrightarrow \text{CuSO}_4 + \text{Fe}$
(D) $\text{CuSO}_4 + \text{Zn} \longrightarrow \text{ZnSO}_4 + \text{Cu}$
(E) None of these

4. Four boxes made of different materials are left under the Sun for half an hour. Which one of the boxes will be the hottest after half an hour?



- (A) Iron
(B) Wood
(C) Glass
(D) Plastic
(E) None of these
5. If the percolation rate of water of a particular soil sample is 20 ml/min, then how much time will 200 mL of water take to percolate completely into the soil?
- (A) 800 s
(B) 600 s
(C) 200 s
(D) 400 s
(E) None of these

6. Two magnets, P and Q attract four soft iron bars, W, X, Y and Z at their poles, as shown in the given figure. What will happen to the iron bars, when the two magnets move towards each other, and attract each other?

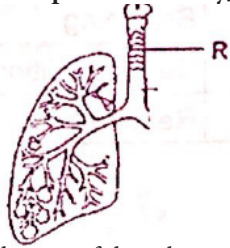


- (A) Nothing will happen.
(B) X and Y will drop off.
(C) X and Y will repel away each other.
(D) W and Z will attract X and Y respectively
(E) None of these

7. Two boys, P and Q are running along the same path. P is 10 m ahead of Q initially. However, Q catches up with P, after running 50 m. Assuming that both boys are running at a constant speed, what is the ratio of the speeds of P and Q?

- (A) 6 : 5
(B) 5 : 6
(C) 4 : 1
(D) 4 : 5
(E) None of these

8. The diagram below shows part of the human lungs. The inner part of tube R is lined with tiny hairs called the cilia. These are important as if the air that you breathed in is polluted as they_____.



- (A) Widen the size of the tube
- (B) Moisten the air leaving and entering the lungs
- (C) Assist in gaseous exchange that will take place in the lungs
- (D) Trap dust and other particles the entered the nose with the air taken in
- (E) None of these

9. Which type of change occurs when the size, shape, appearance, or volume of a substance is changed without changing its composition?

- (A) Physical
- (B) Chemical
- (C) Exothermic
- (D) Endothermic
- (E) None of these

10. A chemical used to determine whether a substance is an acid or a base is called _____.

- (A) A salt
- (B) Water
- (C) An indicator
- (D) An alkali
- (E) None of these