





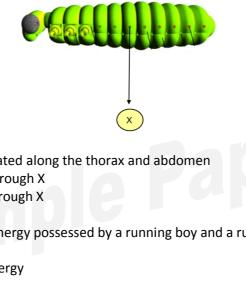
**NFWTON** 

## **ISO SCIENCE OLYMPIAD**

## **Sample Paper**

**BASIC : (3 Points)** 

- 1. Riya is solving a puzzle. Which system of her body she is using while solving the puzzle? (A) Respiratory system (B) Digestive system (C) Nervous system (D) Circulatory system
- 2. Identify X in the given diagram and answer the following question. Which of the following statement is incorrect about X?



- (A) It lies on the exoskeleton
- (B) In most of the insects it is located along the thorax and abdomen
- (C) Fluid enters an insect body through X
- (D) Air enters an insect's body through X
- 3. What is the similarity between energy possessed by a running boy and a running car?
  - (A) Both possess kinetic energy
  - (B) Both possess gravitational energy
  - (C) Both possess buoyant force
  - (D) None of these
- 4. Identify the medium through which sound can travel. (A) Solid and liquid (B) Gas and Liquid (C) Both a and b

(D) None of the above

- 5. Why is plastic good insulating material for making ice-cubes?
  - (A) It is cheap
  - (B) It decreases friction with the water
  - (C) It is not a good conductor of electricity
  - (D) It is a good conductor of electricity

		FOUNDATIO	ON: (4-Points)					
6.	Which of the following diagram correctly represents the saturated solution?							
	(A)	(B)	(C)	(D) None of these				
7.	Name the rock used by de (A) Granite	entists for polishing teeth. (B) Basalt	(C) Pumice	(D) Obsidian				
8.	Study the table below and	d choose correct option for	rit.					
		Limestone ——	eat Marble ssure					
	<ol> <li>Product formed has san</li> <li>Here, the reactant recr</li> <li>Product formed is soft</li> <li>(A) Only I</li> </ol>	-	as limestone (C) Only III	(D) I and III				
9.	Name the only active volo (A) Barren Island	cano in the Indian subconti (B) Etna	nent. (C) Yasur	(D) Pacaya				
10.	The object shown in the g (A) Mountaineers (C) Asthma patient	iven diagram can be used (B) Astronauts (D) All of them	by					
		Exploration	n: (5 Points)					
11.	Which of the following is labelled as W, X, Y and Z? (A) W – Encloses the brain (B) X – Protects the heart (C) Y – does not help in m (D) Z – Longest bone	1	rts of the given body systen	n v v v v v v v v v v v v v v v v v v v				

Sample Paper

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INTERNATIONAL SCIENCE OLYMPIAD

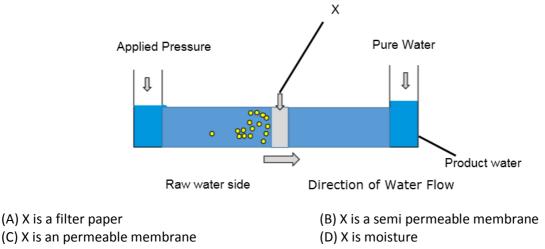
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## INTERNATIONAL SCIENCE OLYMPIAD

14.

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**12.** The given diagram shows the process of reverse osmosis. What is correct about X shown here?

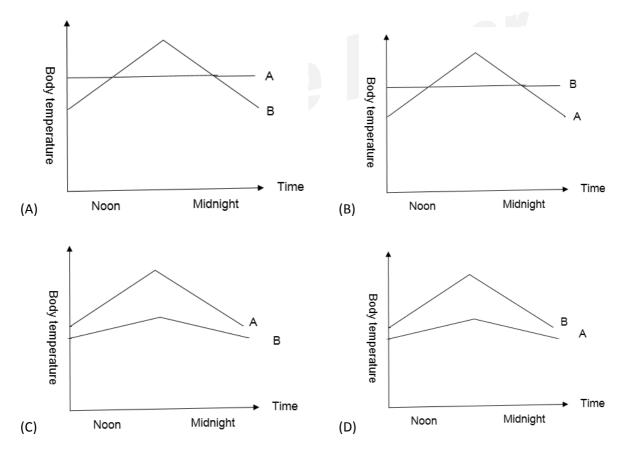


13. A bacteria cell reproduces by splitting itself into two every 15 seconds. If it starts with a single bacterium, how many bacteria would there be after a mintue? .6

(A) 4	(B) 5	(C) 8	(D) 16

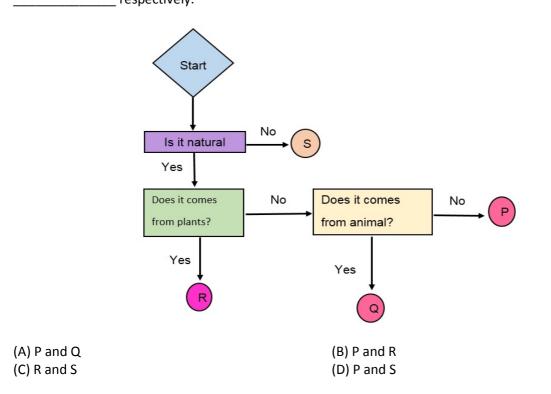
"Animals have different body coverings. Those with feathers and fur have a constant body temperature despite changes in the temperatures of their surroundings.

A group of students set out to research on the above fact. They measured the body temperature of two animals over a 12 – hour period. The two animals studied were toad (A) and rabbit (B). Which one of the following graph represents the temperature of the two animals correctly?



Sample Paper

## **15.** Study the given flowchart carefully. Jute and metal are represented by the letters \_\_\_\_\_\_ and \_\_\_\_\_ respectively.



			ļ	ANSWER KEY				
1-C	2-C	3-A	4-C	5-C	6-C	7-C	8-B	
9-A	10-D	11-C	12-B	13-D	14-B	15-B		