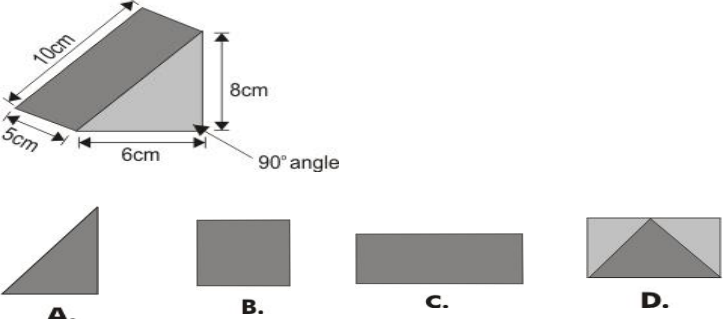



SET -19

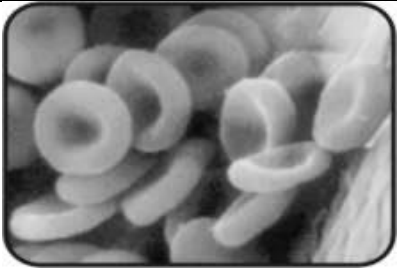
CLASS -VII

SUBJECT – SCIENCE

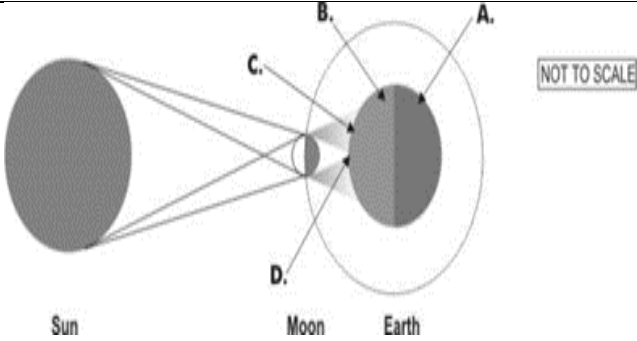
TOPIC- LIGHT (CH.15) , WATER: A PRECIOUS RESOURCE (CH.16)

Q.N.	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)		
1.	3_17 Science  1532	Light	<p>A triangular wedge is placed as shown on a flat surface. One of the angles is a right angle as shown.</p> <p>when seen from DIRECTLY ABOVE IT, what will it look like</p>		B		
Answer Options							
Option A		Option B		Option C		Option D	
A		B		C		D	

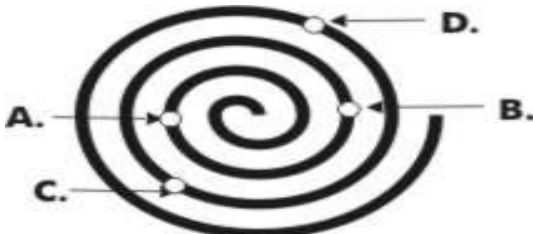
2	4_24 Science 10278	<b>Light</b>	<p>Galileo, in order to measure the speed of light, performed this simple experiment: He and his assistant each took a lantern that had a shutter in front of it, and stood on hilltops one mile apart in the night. Galileo was to flash his lantern, and the assistant was to open the shutter of his own lantern as soon as he saw the light from Galileo's lantern. Galileo had planned to measure the time taken for light to travel from one hill to the other and back, and calculate the speed of light using the formula, <math>\text{Speed} = \text{distance travelled} / \text{time taken}</math> but he could not measure the speed of light using this method. What could have been the reason for this?</p>		<b>C</b>		
<b>Answer Options</b>							
<b>Option A</b>		<b>Option B</b>		<b>Option C</b>		<b>Option D</b>	
The distance between the two hills was too much for them to see the light from the other person's lantern.		Light does not travel in straight lines and so the distance travelled by it cannot be measured.		The time taken for the light to travel would have been too little to have been measured by them.		Light does not travel because it is present everywhere, so its 'speed' cannot be calculated.	

3.	4_24 Science 10286	Light	Shown here is an image seen in a microscope, enlarged approximately 100,000 times. This image could be of			C	
		Answer Options					
		Option A	Option B	Option C	Option D		
		sugar crystals	electrons	blood cells	mustard seeds		

4.	4_24 Science 10290	Light	A plant was exposed to different intervals of light and darkness to check the flowering of the plant. The table below shows the observations recorded. What can be said about the flowering of the plant based on the data given in the table above?	<table border="1" style="display: inline-table;"> <thead> <tr> <th>Light (hours)</th> <th>Dark (hours)</th> <th>Flowering</th> </tr> </thead> <tbody> <tr><td>17</td><td>7</td><td>No</td></tr> <tr><td>16</td><td>8</td><td>No</td></tr> <tr><td>15.5</td><td>8.5</td><td>Yes</td></tr> <tr><td>15</td><td>9</td><td>Yes</td></tr> <tr><td>14</td><td>10</td><td>Yes</td></tr> <tr><td>14</td><td>7</td><td>No</td></tr> <tr><td>17</td><td>9</td><td>Yes</td></tr> <tr><td>8.5</td><td>9</td><td>Yes</td></tr> </tbody> </table>			Light (hours)	Dark (hours)	Flowering	17	7	No	16	8	No	15.5	8.5	Yes	15	9	Yes	14	10	Yes	14	7	No	17	9	Yes	8.5	9	Yes	A
		Light (hours)	Dark (hours)	Flowering																														
		17	7	No																														
		16	8	No																														
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14	7	No																																
17	9	Yes																																
8.5	9	Yes																																
Answer Options																																		
Option A	Option B	Option C	Option D																															
A minimum duration of darkness is necessary for the plant to flower.	A minimum duration of light is necessary for the plant to flower.	The plant flowers only when exposed to different intervals of light and darkness.	Flowering does not depend on the amount of light or darkness.																															

5.	4_24 Science 10293	Light	Given below is a diagrammatic representation of a solar eclipse. In which of the places shown on earth will a PARTIAL SOLAR ECLIPSE be visible?					C
				Answer Options				
				Option A	Option B	Option C	Option D	
				A	B	C	D	

6.	4_24 Science 10268	Light	In a cricket stadium, when the floodlights were switched on at 7pm, multiple shadows of the stumps appeared. The lengths of the shadows of the stumps would have					D
				Answer Options				
				Option A	Option B	Option C	Option D	
				increased as the match progressed	decreased as the match progressed	first increased and then decreased.	remained the same throughout the match.	

7.	4_24 Science 10277	Light	Given below is the top view of a mosquito coil. If it is lit at both its ends, at which point will the two lighted ends meet?		C
		Answer Options			
		Option A	Option B	Option C	Option D
		A	B	C	D
8.	4_24 Science 10262	Light	We see an object?		A
		Answer Options			
		Option A	Option B	Option C	Option D
		When it either emits or reflects light.	Only when it reflects light.	Only when it emits light.	When it allows light to pass through itself.
9.	4_24 Science 10284	Light	If the word given above is seen in a mirror, it will look like,	<div style="border: 1px solid black; padding: 5px; display: inline-block;"><b>AMBULANCE</b></div>	C
		Answer Options			
		Option A	Option B	Option C	Option D

		AMBULANCE	ECNALUBMA	AMBULANCE	ECNALUBMA
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10.	1_3 Science 6645	WATER: A PRECIOUS RESOURCE	The source of energy for the Earth's water cycle is _____.		<b>B</b>	
		Answer Options				
		<b>Option A</b>	<b>Option B</b>	<b>Option C</b>		<b>Option D</b>
		The wind.	The sun's radiation.	The earth's radiation.	The sun's gravity.	
11.	2_10 Science 4158	Water: A Precious Resource	A wet cloth was placed on a balance and left for several days. The change in its mass is shown in the adjacent graph :  What was the mass of water in the cloth at the start of the experiment?		<b>B</b>	
		Answer Options				
		<b>Option A</b>	<b>Option B</b>	<b>Option C</b>		<b>Option D</b>
		60 g	36 g	24 g	10 g	

12.	1_3 Science 7334	Water: A Precious Resource	The students of a class were given a few substances and asked to classify them as more dense than water or as less dense than water. How should they start?			<b>C</b>
		Answer Options				
		<b>Option A</b>	<b>Option B</b>	<b>Option C</b>	<b>Option D</b>	
		Find the mass of the substances.	Compare the weight of each substance with the weight of the same volume of water.	Find which of the substances float and which of them sink in water.	Classify the substances according to their shapes.	

13.	3_15 Science 3550	Water: A Precious Resource	Which of these absorbs the LEAST sunlight?			<b>D</b>
		Answer Options				
		<b>Option A</b>	<b>Option B</b>	<b>Option C</b>	<b>Option D</b>	
		forest	ocean	land	Snow	

14.	4_25 Science 11965	Water: A Precious Resource	Distilled water is called 'pure' because			<b>B</b>
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		Answer Options			
		Option A	Option B	Option C	Option D
		It contains dissolved salts.	It boils exactly at 100 <sup>o</sup> C and freezes exactly at 0 <sup>o</sup> C.	It contains dissolved oxygen.	It can be produced only in a laboratory.

15.	4_23 Science 9036	Water A precious Resource	What is the chemical formula for steam?		<b>B</b>
		Answer Options			
		Option A	Option B	Option C	Option D
		CO	H <sub>2</sub> O	O <sub>2</sub>	(Pure steam does not have a chemical formula.)



