

SET -12

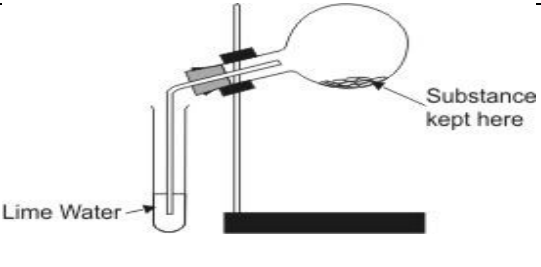
SUBJECT- SCIENCE

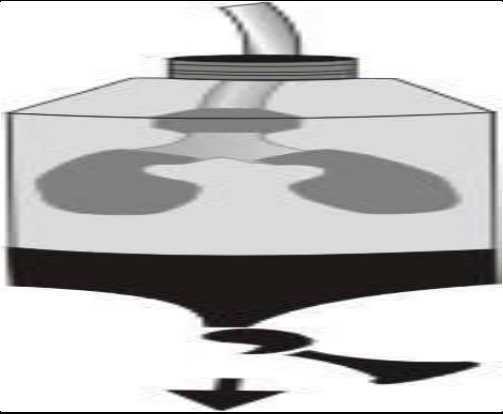
CLASS -VII

TOPIC- RESPIRATION IN ORGANISMS (CHAPTER NO. -10)


TRANSPORTATION IN ORGANISMS (CHAPTER NO. -11)

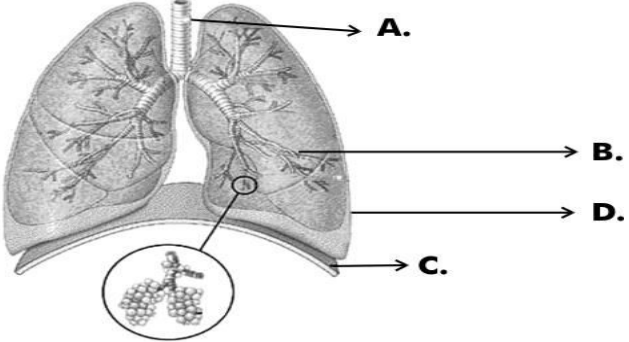
S.N	Folder Number & Question Code	Topic	Question With Answer Options	Image	Correct Answer (Option- A,B,C,D)
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1.	4_25 Science 11966	Respiration in organisms (Ch.10)	In the arrangement shown, which of the following substances will make lime water turn milky when kept in the round-bottomed flask for a few days?			A		
			Answer Options					
			Option A	Option B			Option C	Option D
			damp boiled rice	dry wood pieces			roasted peanuts	charcoal

2.	3_15 Science 3582	Respiration in Organisms (Ch.10)	Study the model shown here. It is made from a cut plastic bottle, 2 balloons, a tube, a stopper and a cut balloon. This model corresponds to the human lung model as shown. What will happen when the stretched band is pulled downwards?		A		
		Answer Options					
		Option A	Option B			Option C	Option D
		the balloons will expand	the balloons will contract			the balloons will be unchanged	the bottle will contract

3.	1_3 Science 6641	RESPIRATION IN ORGANISM (Ch.10)	Which among the following is not an organ system in the human body?		C		
		Answer Options					
		Option A	Option B			Option C	Option D
		Digestive system	Respiratory system			Brain system	Circulatory system

4.	2_9 Science 6042	RESPIRATION IN ORGANISM (Ch.10)	The organ shown here is a part of which of these organ systems?		B		
Answer Options							
Option A		Option B		Option C		Option D	
Nervous System		Respiratory System		Digestive System		None of these	

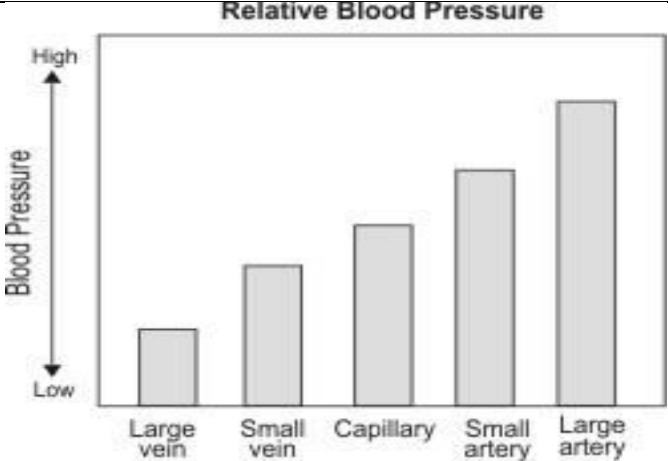
5.	4_23 Science 9144	Respiration in organisms (Ch.10)	In the figure given of the human lungs, which arrow points to the bronchioles?		B
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		Answer Options			
		Option A	Option B	Option C	Option D
		A	B	C	D

6.	2_9 Science 6057	RESPIRATION IN ORGANISM (Ch.10)	Presence of carbon dioxide turns limewater milky. Applying this fact and observing the following chart, identify the correct statement below.	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Sample No.</th> <th>Original Colour</th> <th>Colour after adding lime water</th> </tr> </thead> <tbody> <tr> <td>Sample 1</td> <td>Clear</td> <td>Milky white</td> </tr> <tr> <td>Sample 2</td> <td>Clear</td> <td>Clear</td> </tr> <tr> <td>Sample 3</td> <td>Clear</td> <td>Pale white</td> </tr> <tr> <td>Sample 4</td> <td>Yellow</td> <td>Yellow</td> </tr> </tbody> </table>			Sample No.	Original Colour	Colour after adding lime water	Sample 1	Clear	Milky white	Sample 2	Clear	Clear	Sample 3	Clear	Pale white	Sample 4	Yellow	Yellow	D
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Answer Options																						
Option A	Option B	Option C	Option D																			
Sample 2 contains more carbon dioxide than sample 3.	Sample 3 contains more carbon dioxide than sample 1.	Sample 1 and 2 both contain carbon dioxide.	Sample 4 does not contain carbon dioxide.																			

7.	4_24	Respiration	Blood glucose levels are expressed in terms of mass per unit volume.		D
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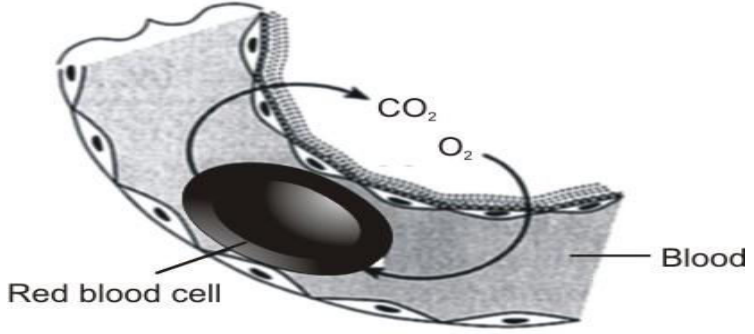
	Science 10274	in Animals (Ch.10)	Which of the following would be the MOST appropriate unit to measure blood glucose level?				
				Answer Options			
				Option A	Option B	Option C	Option D
				gram/decimetre	micron/degrees C	litre/gram	milligram/decilitre

8.	4_25 Science 11807	TRANSPORTATION IN ANIMALS AND PLANTS (Ch.11)	The blood pressure in various arteries and veins in the body is not the same. The pressure is higher in arteries closer to the heart and lower in veins which are far away from the heart. This is shown in the graph here. Which of these statements is likely to be correct about these types of blood vessels?					B
				Answer Options				
				Option A	Option B	Option C	Option D	
				Blood will flow out fastest if a LARGE VEIN is accidentally cut.	LARGE ARTERIES will have the thickest and most muscular walls.	When the blood leaves the heart, it first enters CAPILLARIES.	A SMALL ARTERY is likely to get divided into many LARGE ARTERIES.	

9.	2_9 Science 6051	TRANSPORTATION IN ANIMALS AND PLANTS	Which of these does NOT affect the amount we sweat?					D
				Option A	Option B	Option C	Option D	
				Surrounding temperature	Surrounding humidity	Individual characteristics	Amount of water we drink	

10.	3_17 Science 1841	TRANSPORTATION IN ANIMALS AND PLANTS (Ch.11)	The chamber of the heart that has the thickest muscles is one that_____.					A
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		Answer Options			
		Option A	Option B	Option C	Option D
		pumps oxygenated blood to all parts of the body..	pumps deoxygenated blood to the lungs	receives oxygenated blood from the lungs.	receives deoxygenated blood from all parts of the body

11.	3_17 Science 1845	TRANSPORTATION IN ANIMALS AND PLANTS (Ch.11)	Given below is a diagrammatic representation of a process taking place in a specific region of the human body. Which region/organ is this?		B				
						Answer Options			
						Option A	Option B	Option C	Option D
						The heart	The lungs	The liver	Bones

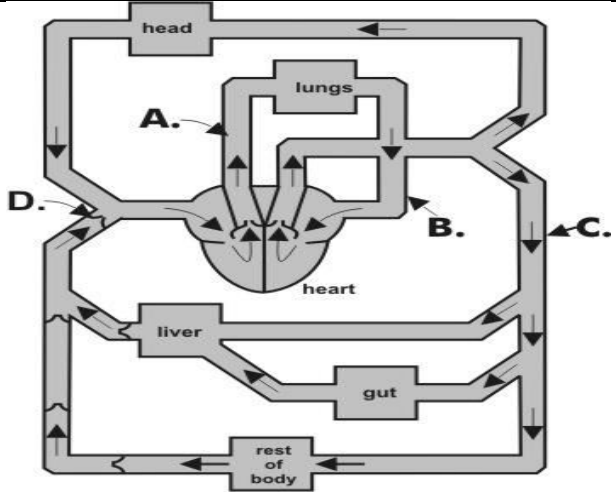
12.	4_25 Science	Transportation in animals and plants	Which of these units could blood flow be expressed in?	The question is related to this table showing the amount of blood flowing through the various organs at different times in the human body (in appropriate units.)	B
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11957					<table border="1"> <thead> <tr> <th></th> <th>Blood Flow at rest</th> <th>During Strenuous Exercise</th> </tr> </thead> <tbody> <tr> <td>Heart</td> <td>250</td> <td>750</td> </tr> <tr> <td>Kidneys</td> <td>1,200</td> <td>600</td> </tr> <tr> <td>Skeletal Muscles</td> <td>1,000</td> <td>12,500</td> </tr> <tr> <td>Skin</td> <td>400</td> <td>1,900</td> </tr> <tr> <td>Viscera</td> <td>1,400</td> <td>600</td> </tr> <tr> <td>Brain</td> <td>750</td> <td>750</td> </tr> <tr> <td>Other</td> <td>600</td> <td>400</td> </tr> <tr> <td>Total</td> <td>5,600</td> <td>17,500</td> </tr> </tbody> </table>		Blood Flow at rest	During Strenuous Exercise	Heart	250	750	Kidneys	1,200	600	Skeletal Muscles	1,000	12,500	Skin	400	1,900	Viscera	1,400	600	Brain	750	750	Other	600	400	Total	5,600	17,500	
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Option A	Option B	Option C	Option D																														
litres per kilogram	millilitres per minute	metres per second	seconds per cubic centimetre																														

13.	4_25 science 11956	Transportation in animals and plants	What can be concluded from the given data?	<p>The question is related to this table showing the amount of blood flowing through the various organs at different times in the human body (in appropriate units.)</p> <table border="1"> <thead> <tr> <th></th> <th>Blood Flow at rest</th> <th>During Strenuous Exercise</th> </tr> </thead> <tbody> <tr> <td>Heart</td> <td>250</td> <td>750</td> </tr> <tr> <td>Kidneys</td> <td>1,200</td> <td>600</td> </tr> <tr> <td>Skeletal Muscles</td> <td>1,000</td> <td>12,500</td> </tr> <tr> <td>Skin</td> <td>400</td> <td>1,900</td> </tr> <tr> <td>Viscera</td> <td>1,400</td> <td>600</td> </tr> <tr> <td>Brain</td> <td>750</td> <td>750</td> </tr> <tr> <td>Other</td> <td>600</td> <td>400</td> </tr> <tr> <td>Total</td> <td>5,600</td> <td>17,500</td> </tr> </tbody> </table>		Blood Flow at rest	During Strenuous Exercise	Heart	250	750	Kidneys	1,200	600	Skeletal Muscles	1,000	12,500	Skin	400	1,900	Viscera	1,400	600	Brain	750	750	Other	600	400	Total	5,600	17,500	B
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Answer Options			
Option A	Option B	Option C	Option D
The total volume of blood in the human body increases during strenuous exercise.	The blood flow in different organs changes in response to the changing needs of the body.	The kidneys and some other organs stop functioning during strenuous exercise.	Anything which increases blood flow to various parts of the body is harmful.

14.	1_3 Science 7348	TRANSPORTATION IN ANIMALS AND PLANTS	Shown here is the set up for an experiment in which plants were planted in 2 pots, watered regularly and observed after 2 days. What can you answer from the above experimental results?		D
Answer Options					
Option A	Option B	Option C	Option D		
Can plants grow in bottles?	Can we grow plants in water alone?	What is the function of the roots of a plant?	Can we grow a plant without roots?		

15.	3_16 Science 2449	Transportation in Animals and Plants	In the representation of the circulatory system below, identify the artery that carries deoxygenated blood.		A
Answer Options					
Option A		Option B		Option C	Option D
A		B		C	D