

SET -11

SUBJECT- SCIENCE



































CLASS -VII


































TOPIC- WIND ,STORM AND CYCLONES ( CHAPTER NO. -8 )




































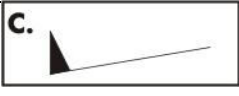
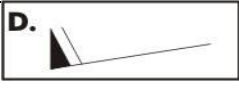
SOIL ( CHAPTER NO. -9 ), RESPIRATION IN ORGANISMS ( CHAPTER NO. -10 )

S.N	Folder Number & Question Code	Topic	Question With Answer Options	Image	Correct Answer (Option-A,B,C,D)
-----	-------------------------------	-------	------------------------------	-------	---------------------------------




1.	2_9 Science 6053	WIND,STORMS AND CYCLONES	The term 'monsoon' refers to:		<b>D</b>		
			Answer Options				
			Option A	Option B		Option C	Option D
			Rains, anytime, anywhere in the world.	Post-summer rains anywhere in the world.		Rains, anytime, in and near India.	Post-summer rains in and near India.

2.	2_10 Science 4175	WIND, STORMS AND CYCLONES	<p>Parts of the Beaufort Wind Scale, which is a numerical scale for wind speed, are given. Answer the question using this information.</p> <p>Where would you put the following symbol?</p> 	<table border="1"> <thead> <tr> <th>Beaufort number</th> <th>Weather map symbol</th> <th>Wind speed in km/h</th> <th>Description</th> <th>Effects on land</th> </tr> </thead> <tbody> <tr> <td>0</td> <td></td> <td>less than 1</td> <td>calm</td> <td>Smoke rises vertically</td> </tr> <tr> <td>1</td> <td></td> <td>2-6</td> <td>light air</td> <td>smoke columns bend slightly</td> </tr> <tr> <td>2</td> <td></td> <td>7-12</td> <td>light breeze</td> <td>leaves rustle; wind vane moves</td> </tr> <tr> <td>3</td> <td></td> <td>13-19</td> <td>gentle breeze</td> <td>leaves and twigs in constant motion</td> </tr> <tr> <td>4</td> <td></td> <td>20-30</td> <td>moderate breeze</td> <td>raises dust and loose paper</td> </tr> <tr> <td>5</td> <td>?</td> <td>31-39</td> <td>fresh breeze</td> <td>small trees sway</td> </tr> <tr> <td>6</td> <td></td> <td>40-50</td> <td>?</td> <td>large branches move</td> </tr> <tr> <td>7</td> <td>?</td> <td>51-61</td> <td>moderate gale</td> <td>whole trees sway; walking difficult</td> </tr> <tr> <td>8</td> <td></td> <td>?</td> <td>fresh gale</td> <td>twigs break off trees</td> </tr> <tr> <td>9</td> <td></td> <td>75-87</td> <td>strong gale</td> <td>chimneys and roofs are damaged</td> </tr> <tr> <td>10</td> <td></td> <td>88-102</td> <td>whole gale</td> <td>trees uprooted</td> </tr> <tr> <td>11</td> <td></td> <td>103-120</td> <td>storm</td> <td>widespread damage</td> </tr> <tr> <td>12</td> <td></td> <td>more than 120</td> <td>hurricane</td> <td>widespread destruction</td> </tr> </tbody> </table>	Beaufort number	Weather map symbol	Wind speed in km/h	Description	Effects on land	0		less than 1	calm	Smoke rises vertically	1		2-6	light air	smoke columns bend slightly	2		7-12	light breeze	leaves rustle; wind vane moves	3		13-19	gentle breeze	leaves and twigs in constant motion	4		20-30	moderate breeze	raises dust and loose paper	5	?	31-39	fresh breeze	small trees sway	6		40-50	?	large branches move	7	?	51-61	moderate gale	whole trees sway; walking difficult	8		?	fresh gale	twigs break off trees	9		75-87	strong gale	chimneys and roofs are damaged	10		88-102	whole gale	trees uprooted	11		103-120	storm	widespread damage	12		more than 120	hurricane	widespread destruction	<b>B</b>
Beaufort number	Weather map symbol	Wind speed in km/h	Description	Effects on land																																																																							
0		less than 1	calm	Smoke rises vertically																																																																							
1		2-6	light air	smoke columns bend slightly																																																																							
2		7-12	light breeze	leaves rustle; wind vane moves																																																																							
3		13-19	gentle breeze	leaves and twigs in constant motion																																																																							
4		20-30	moderate breeze	raises dust and loose paper																																																																							
5	?	31-39	fresh breeze	small trees sway																																																																							
6		40-50	?	large branches move																																																																							
7	?	51-61	moderate gale	whole trees sway; walking difficult																																																																							
8		?	fresh gale	twigs break off trees																																																																							
9		75-87	strong gale	chimneys and roofs are damaged																																																																							
10		88-102	whole gale	trees uprooted																																																																							
11		103-120	storm	widespread damage																																																																							
12		more than 120	hurricane	widespread destruction																																																																							
<b>Answer Options</b>																																																																											
<b>Option A</b>		<b>Option B</b>		<b>Option C</b>		<b>Option D</b>																																																																					
Wind speed 13-19 km/h		Wind speed 31-39 km/h		Wind speed 51-61 km/h		Wind speed 75-87 km/h																																																																					

3.	2_10 Science 4176	WIND, STORMS AND CYCLONES	<p>Parts of the Beaufort Wind Scale, which is a numerical scale for wind speed, are given. Answer the question using this information.</p> <p>The effect on land: “<b>large branches move</b>” is likely to match the description- -----</p>	<table border="1"> <thead> <tr> <th>Beaufort number</th> <th>Weather map symbol</th> <th>Wind speed in km/h</th> <th>Description</th> <th>Effects on land</th> </tr> </thead> <tbody> <tr> <td>0</td> <td></td> <td>less than 1</td> <td>calm</td> <td>Smoke rises vertically</td> </tr> <tr> <td>1</td> <td></td> <td>2-6</td> <td>light air</td> <td>smoke columns bend slightly</td> </tr> <tr> <td>2</td> <td></td> <td>7-12</td> <td>light breeze</td> <td>leaves rustle; wind vane moves</td> </tr> <tr> <td>3</td> <td></td> <td>13-19</td> <td>gentle breeze</td> <td>leaves and twigs in constant motion</td> </tr> <tr> <td>4</td> <td></td> <td>20-30</td> <td>moderate breeze</td> <td>raises dust and loose paper</td> </tr> <tr> <td>5</td> <td>?</td> <td>31-39</td> <td>fresh breeze</td> <td>small trees sway</td> </tr> <tr> <td>6</td> <td></td> <td>40-50</td> <td>?</td> <td>large branches move</td> </tr> <tr> <td>7</td> <td>?</td> <td>51-61</td> <td>moderate gale</td> <td>whole trees sway; walking difficult</td> </tr> <tr> <td>8</td> <td></td> <td>?</td> <td>fresh gale</td> <td>twigs break off trees</td> </tr> <tr> <td>9</td> <td></td> <td>75-87</td> <td>strong gale</td> <td>chimneys and roofs are damaged</td> </tr> <tr> <td>10</td> <td></td> <td>88-102</td> <td>whole gale</td> <td>trees uprooted</td> </tr> <tr> <td>11</td> <td></td> <td>103-120</td> <td>storm</td> <td>widespread damage</td> </tr> <tr> <td>12</td> <td></td> <td>more than 120</td> <td>hurricane</td> <td>widespread destruction</td> </tr> </tbody> </table>	Beaufort number	Weather map symbol	Wind speed in km/h	Description	Effects on land	0		less than 1	calm	Smoke rises vertically	1		2-6	light air	smoke columns bend slightly	2		7-12	light breeze	leaves rustle; wind vane moves	3		13-19	gentle breeze	leaves and twigs in constant motion	4		20-30	moderate breeze	raises dust and loose paper	5	?	31-39	fresh breeze	small trees sway	6		40-50	?	large branches move	7	?	51-61	moderate gale	whole trees sway; walking difficult	8		?	fresh gale	twigs break off trees	9		75-87	strong gale	chimneys and roofs are damaged	10		88-102	whole gale	trees uprooted	11		103-120	storm	widespread damage	12		more than 120	hurricane	widespread destruction	C
				Beaufort number	Weather map symbol	Wind speed in km/h	Description	Effects on land																																																																			
				0		less than 1	calm	Smoke rises vertically																																																																			
1		2-6	light air	smoke columns bend slightly																																																																							
2		7-12	light breeze	leaves rustle; wind vane moves																																																																							
3		13-19	gentle breeze	leaves and twigs in constant motion																																																																							
4		20-30	moderate breeze	raises dust and loose paper																																																																							
5	?	31-39	fresh breeze	small trees sway																																																																							
6		40-50	?	large branches move																																																																							
7	?	51-61	moderate gale	whole trees sway; walking difficult																																																																							
8		?	fresh gale	twigs break off trees																																																																							
9		75-87	strong gale	chimneys and roofs are damaged																																																																							
10		88-102	whole gale	trees uprooted																																																																							
11		103-120	storm	widespread damage																																																																							
12		more than 120	hurricane	widespread destruction																																																																							
<b>Answer Options</b>																																																																											
Option A	Option B	Option C	Option D																																																																								
Light air	Gentle breeze	Strong breeze	Strong gale																																																																								

4.	2_10 Science 4177	WIND,STORMS  AND CYCLONES	<p>Parts of the Beaufort Wind Scale, which is a numerical scale for wind speed, are given. Answer the question using this information.</p> <p>Heavy rains and strong winds lashed the coast of Tamil Nadu yesterday causing widespread damage in their wake. Winds reaching a speed of up to 100 kmph were reported. Trees were uprooted at a number of places inhibiting traffic movement."Which weather map symbol corresponds to the above description?"</p>	<table border="1"> <thead> <tr> <th>Beaufort number</th> <th>Weather map symbol</th> <th>Wind speed in km/h</th> <th>Description</th> <th>Effects on land</th> </tr> </thead> <tbody> <tr> <td>0</td> <td></td> <td>less than 1</td> <td>calm</td> <td>Smoke rises vertically</td> </tr> <tr> <td>1</td> <td></td> <td>2-6</td> <td>light air</td> <td>smoke columns bend slightly</td> </tr> <tr> <td>2</td> <td></td> <td>7-12</td> <td>light breeze</td> <td>leaves rustle; wind vane moves</td> </tr> <tr> <td>3</td> <td></td> <td>13-19</td> <td>gentle breeze</td> <td>leaves and twigs in constant motion</td> </tr> <tr> <td>4</td> <td></td> <td>20-30</td> <td>moderate breeze</td> <td>raises dust and loose paper</td> </tr> <tr> <td>5</td> <td>?</td> <td>31-39</td> <td>fresh breeze</td> <td>small trees sway</td> </tr> <tr> <td>6</td> <td></td> <td>40-50</td> <td>?</td> <td>large branches move</td> </tr> <tr> <td>7</td> <td>?</td> <td>51-61</td> <td>moderate gale</td> <td>whole trees sway; walking difficult</td> </tr> <tr> <td>8</td> <td></td> <td>?</td> <td>fresh gale</td> <td>twigs break off trees</td> </tr> <tr> <td>9</td> <td></td> <td>75-87</td> <td>strong gale</td> <td>chimneys and roofs are damaged</td> </tr> <tr> <td>10</td> <td></td> <td>88-102</td> <td>whole gale</td> <td>trees uprooted</td> </tr> <tr> <td>11</td> <td></td> <td>103-120</td> <td>storm</td> <td>widespread damage</td> </tr> <tr> <td>12</td> <td></td> <td>more than 120</td> <td>hurricane</td> <td>widespread destruction</td> </tr> </tbody> </table>	Beaufort number	Weather map symbol	Wind speed in km/h	Description	Effects on land	0		less than 1	calm	Smoke rises vertically	1		2-6	light air	smoke columns bend slightly	2		7-12	light breeze	leaves rustle; wind vane moves	3		13-19	gentle breeze	leaves and twigs in constant motion	4		20-30	moderate breeze	raises dust and loose paper	5	?	31-39	fresh breeze	small trees sway	6		40-50	?	large branches move	7	?	51-61	moderate gale	whole trees sway; walking difficult	8		?	fresh gale	twigs break off trees	9		75-87	strong gale	chimneys and roofs are damaged	10		88-102	whole gale	trees uprooted	11		103-120	storm	widespread damage	12		more than 120	hurricane	widespread destruction	C
				Beaufort number	Weather map symbol	Wind speed in km/h	Description	Effects on land																																																																			
0		less than 1	calm	Smoke rises vertically																																																																							
1		2-6	light air	smoke columns bend slightly																																																																							
2		7-12	light breeze	leaves rustle; wind vane moves																																																																							
3		13-19	gentle breeze	leaves and twigs in constant motion																																																																							
4		20-30	moderate breeze	raises dust and loose paper																																																																							
5	?	31-39	fresh breeze	small trees sway																																																																							
6		40-50	?	large branches move																																																																							
7	?	51-61	moderate gale	whole trees sway; walking difficult																																																																							
8		?	fresh gale	twigs break off trees																																																																							
9		75-87	strong gale	chimneys and roofs are damaged																																																																							
10		88-102	whole gale	trees uprooted																																																																							
11		103-120	storm	widespread damage																																																																							
12		more than 120	hurricane	widespread destruction																																																																							
<b>Answer Options</b>																																																																											
Option A		Option B		Option C		Option D																																																																					
<b>A.</b> 		<b>B.</b> 		<b>C.</b> 		<b>D.</b> 																																																																					

5.	2_9 Science 6050	WIND , STORMS AND CYCLONES	You must have played with gas balloons that keep rising higher and higher in the air. Why do these gas balloons rise?		<b>B</b>
		Answer Options			
		Option A	Option B	Option C	Option D
		The balloon is made of a special material whose density is less than air's.	The balloon is filled with a gas less dense than air.	The balloon is filled with a gas colder than air.	The thread of the balloon is made of a special material.

6.	3_16 Science 2441	WIND , STORMS AND CYCLONES	Renu has to fill a number of small bottles with juice quickly and with no spillage. Which of these arrangements should she use?		<b>A</b>
		Answer Options			
		Option A	Option B	Option C	Option D
					<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>All will be same.</b> </div>  <b>D.</b>

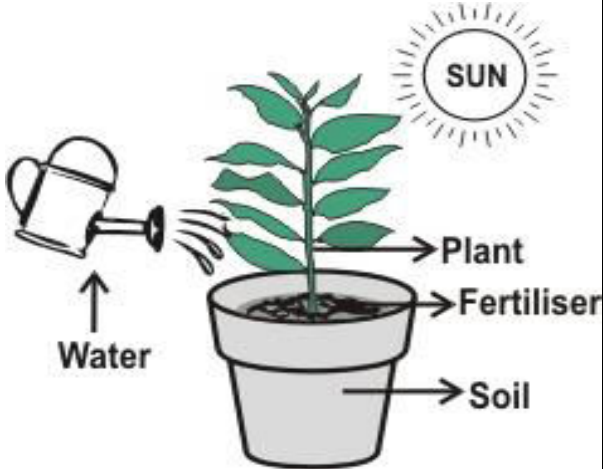
7.	4_24	WIND , STORMS	Tinu had two identical balloons. In one of them		<b>B</b>
----	------	---------------	---	--	----------

	Science 10292	AND CYCLONES	he filled helium gas and in the other he filled air. He found that when he let the balloons free, the balloon filled with helium gas flew away in the air, while the balloon filled with air fell to the ground. On the basis of this, Tinu suggested the following explanations. Which of them is MOST likely to be true?					
			Answer Options					
			Option A	Option B			Option C	Option D
			Gas from the helium-filled balloon was leaking.	Helium gas is lighter than air.			Earth repels the helium-filled balloon.	The amount of helium filled was less than the air.

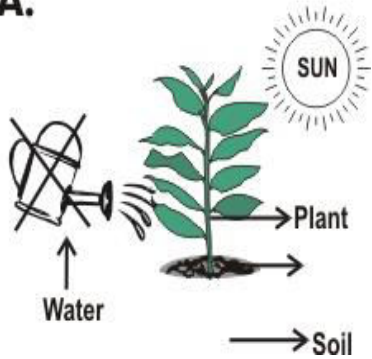
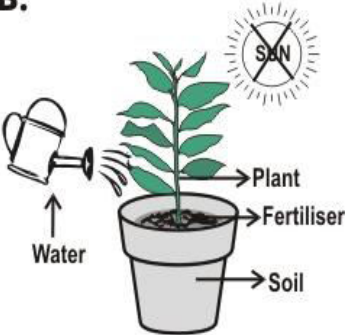
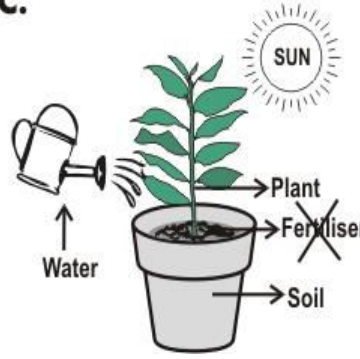
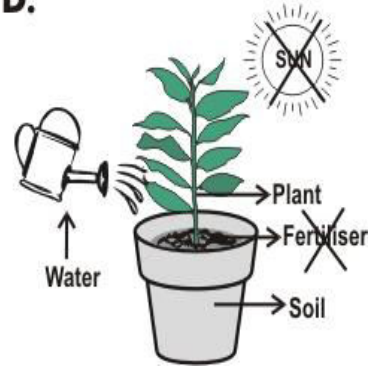
8.	3_16 Science 2427	Winds, Storms and Cyclones	Paddy is grown in the Kharif season (July-October) in India. It is sown with the onset of the south-west monsoon in India which coincides with the months of June and July, and is harvested in October. From this, we can conclude that Paddy is a/an_____.			A		
			Answer Options					
			Option A	Option B			Option C	Option D
			annual crop	biennial crop			perennial crop	(the information is insufficient)

9.	3_16 Science 2408	<b>Soil</b>  (CHAPTER NO.9)	Typically, how are sedimentary rocks formed?		D		
			Answer Options				
			Option A	Option B		Option C	Option D
			due to the eruption of volcanoes	under great pressure and high temperatures		below the earth's surface as the magma cools	from materials that settle over centuries

10.	4_23 Science 9049	<b>Soil</b>  (CHAPTER NO.9)	India possesses one-fortieth of the world's land area, but has 197 million cattle which is more than in any other nation. This has led to serious problems of overgrazing as animals have encroached into forest lands and even agricultural lands. Which of these would be a likely consequence of this overgrazing?		B		
			Answer Options				
			Option A	Option B		Option C	Option D
			Acid rain	Soil erosion		Air pollution	Global warming

11.	2_10 Science 4167	SOIL  (CHAPTER NO.9)	<p>Ram had read that plants needed fertilizers from the soil for healthy growth.</p> <p>He placed a plant in the Sun, as shown in the figure.</p> <p>In order to check whether what he had heard was correct, Ram needed another plant. Which of the following should he use?</p>		C
-----	-------------------------	----------------------------	---	---	---

Answer Options

<p>Option A</p> <p><b>A.</b></p> 	<p>Option B</p> <p><b>B.</b></p> 	<p>Option C</p> <p><b>C.</b></p> 	<p>Option D</p> <p><b>D.</b></p> 
---	--	---	---



12.	2_9 Science 4982	SOIL (CHAPTER NO.9)	<p>The question is about a fertilizer company that has made a new fertilizer A. It says that if this new fertilizer is mixed with another fertilizer B, plants will grow better than when B alone is used. Kamesh, who normally uses fertilizer B, wants to verify if this is true. Kamesh divides his tomato plants into 4 groups and grows them using different fertilizers.</p> <p>Which group(s) are not actually relevant to verify what Kamesh wanted to?</p>	<table border="1"> <tr> <td><b>Group 1</b></td> <td><b>A only</b></td> </tr> <tr> <td><b>Group 2</b></td> <td><b>B only</b></td> </tr> <tr> <td><b>Group 3</b></td> <td><b>A and B mixed</b></td> </tr> <tr> <td><b>Group 4</b></td> <td><b>no fertilizer</b></td> </tr> </table>		<b>Group 1</b>	<b>A only</b>	<b>Group 2</b>	<b>B only</b>	<b>Group 3</b>	<b>A and B mixed</b>	<b>Group 4</b>	<b>no fertilizer</b>	A
				<b>Group 1</b>	<b>A only</b>									
				<b>Group 2</b>	<b>B only</b>									
<b>Group 3</b>	<b>A and B mixed</b>													
<b>Group 4</b>	<b>no fertilizer</b>													
<b>Answer Options</b>														
Option A	Option B	Option C	Option D											
Groups 1 and 4	Groups 2 and 4	Groups 1 and 3	Group 4 only											

13.	2_9 Science 4983	SOIL (CHAPTER NO.9)	<p>The question is about a fertilizer company that has made a new fertilizer A. It says that if this new fertilizer is mixed with another fertilizer B, plants will grow better than when B alone is used. Kamesh, who normally uses fertilizer B, wants to verify if this is true. Kamesh divides his tomato plants into 4 groups and grows them using different fertilizers.</p> <p>If what the company says about fertilizer B is true, what will be order FROM BEST</p>	<table border="1"> <tr> <td><b>Group 1</b></td> <td><b>A only</b></td> </tr> <tr> <td><b>Group 2</b></td> <td><b>B only</b></td> </tr> <tr> <td><b>Group 3</b></td> <td><b>A and B mixed</b></td> </tr> <tr> <td><b>Group 4</b></td> <td><b>no fertilizer</b></td> </tr> </table>		<b>Group 1</b>	<b>A only</b>	<b>Group 2</b>	<b>B only</b>	<b>Group 3</b>	<b>A and B mixed</b>	<b>Group 4</b>	<b>no fertilizer</b>	B
				<b>Group 1</b>	<b>A only</b>									
<b>Group 2</b>	<b>B only</b>													
<b>Group 3</b>	<b>A and B mixed</b>													
<b>Group 4</b>	<b>no fertilizer</b>													

			TO WORST of the growth of the plants in groups 2 to 4?		
<b>Answer Options</b>					
<b>Option A</b>		<b>Option B</b>		<b>Option C</b>	
Group 4, group 3, group 2		Group 3, group 2, group 4		Group 3, group 4, group 2	
				<b>Option D</b>	
				Group 2, group 3, group 4	

14.	4_25 Science  12176	Soil  (CHAPTER NO.9)	Ahmed's grandfather plants trees all along the edge of their farm in the hills, along the boundary fence. What is MOST likely to be the reason for this?		C
<b>Answer Options</b>					
<b>Option A</b>		<b>Option B</b>		<b>Option C</b>	
to reduce the rainfall		to keep away goats		To conserve soil	
				<b>Option D</b>	
				to demarcate the boundary	

15.	3_16 Science 2420	Respiration in Organisms  (Ch.10)	Raghu's swimming instructor asked him to hold his breath while pushing his face underwater. What will happen to the level of oxygen concentration in Raghu's blood while holding his breath?		A
-----	-------------------------	---	--	--	---

Answer Options				
Option A	Option B	Option C	Option D	
The oxygen concentration will decrease.	The oxygen concentration will increase.	The oxygen concentration will remain the same.	The oxygen concentration will become zero.	