

## Question Paper

**Subject: Science**

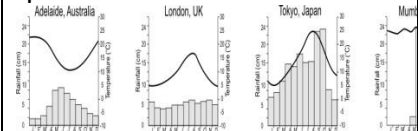
**Grade: 9<sup>th</sup>**

**Set-12**

Q.N	Folder name & Question Code	Topic	Question with Answer Option	Image (If Any)	Correct Answer (Option-A,B,C,D)
<b>1</b>	<b>3_16 Science  2517</b>	NATURAL RESOURCES	Which letters could correspond to carbon dioxide and carbon monoxide in the flowchart shown here?	<pre> graph TD     A([GASES]) -- Yes --&gt; B{Is it colourless?}     B -- No --&gt; B_out[ ]     B -- Yes --&gt; C{Is it odourless?}     C -- No --&gt; C_out[ ]     C -- Yes --&gt; D{Is it poisonous?}     D -- No --&gt; D_out[ ]     D -- Yes --&gt; E[S]             </pre>	<b>C</b>
<b>Answer Options</b>					
		Option A Both would	Option B Both would correspond to S	Option C Carbon dioxide would	Option D Carbon dioxide

		correspond to R		correspond to R and Carbon monoxide to S	would correspond to S and Carbon monoxide to R
<b>2</b>	<b>3_16 Science  2505</b>	NATURAL RESOURCES	In many countries including India, petrol cars are expected to use unleaded petrol and not leaded petrol which was used earlier. What is the reason for this?		<b>B</b>
<b>Answer Options</b>					
		Option A Unleaded petrol is cheaper than leaded petrol	Option B Unleaded petrol is less hazardous for human health.	Option C Unleaded petrol gives more mileage than leaded petrol	Option D All of the above
<b>3</b>	<b>3_16 Science  2512</b>	NATURAL RESOURCES	The Andaman Islands in the Bay of Bengal depend exclusively on rain for their freshwater supply. Some of the hotels in the Andamans started using seawater instead of fresh water for flushing toilets. This is an example of _____.		<b>B</b>
<b>Answer Options</b>					
		Option A recycling of resources	Option B conservation of resources	Option C prevention of pollution	Option D environmental planning

4	2_9 Science  6167	NATURAL RESOURCES	Among the cities shown, which receives the most rainfall in a year?	Study the graphs showing the average temperature (using the scale on the RIGHT) and rainfall statistics (using the scale on the LEFT) for 4 important cities. The question is based on this data	C
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**Answer Options**

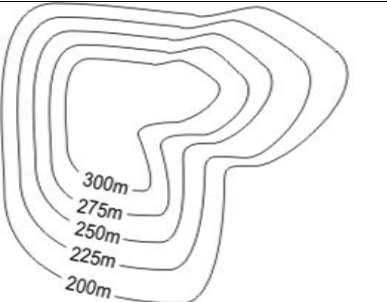
		Option A Adelaide	Option B London	Option C Tokyo	Option D Mumbai
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5	2_9 Science  5052	NATURAL RESOURCES	The fire shown below started in a factory due to a leaking petroleum product. Where the stream from the fire extinguisher should be directed?		C
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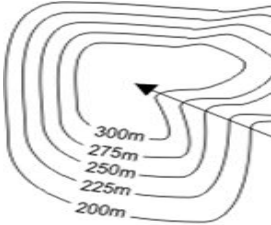
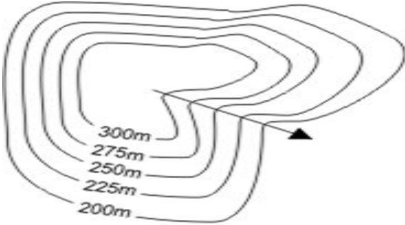
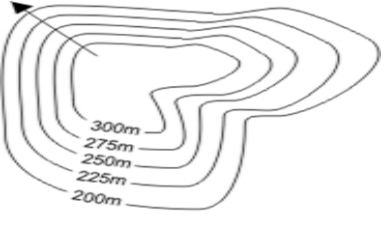

**Answer Options**

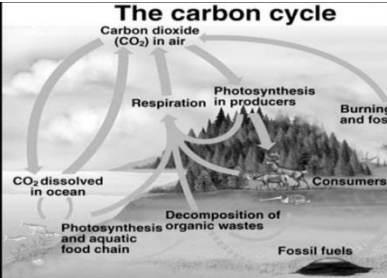
		Option A A	Option B B	Option C C	Option D D
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6	2_9 Science  6138	NATURAL RESOURCES	Given below is a list of household waste. The list has been put under 2 headings. One item in the list has been put under the WRONG heading. Identify it.	PUT IN COMPOST PIT	SENT FOR RECYC	A
				Glass bottle	Polythene bags	
				Vegetable waste	Plastic bottles	
				Leaves	Tin cans	
				Used tea leaves	Cartons (Cardboard b	
<b>Answer Options</b>						
		Option A Glass bottle	Option B Leaves	Option C Polythene bags	Option D Tin cans	
7	2_9 Science  6146	NATURAL RESOURCES	According to a recent newspaper report, environmentalists are fighting for use of diesel having lower sulphur content. Why?			B
				<b>Answer Options</b>		
		Option A Manufacture of sulphur is a highly polluting process	Option B Sulphur dioxide in the exhaust of these vehicles is a major air pollutant	Option C Diesel having sulphur harms the engine and the driver's health	Option D Sulphuric acid is produced in the engine of these vehicles	

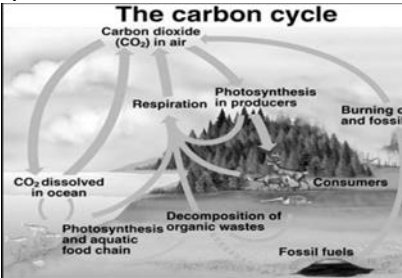
8	2_9 Science  6159	NATURAL RESOURCES	The contour map of a hilly region shown in the figure below does not show a river that actually flows through it. Which of these arrows could be representing the position and direction of the river correctly?		B
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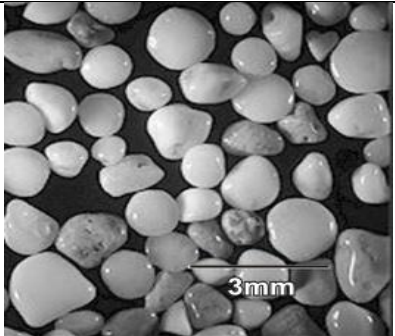
**Answer Options**

		<p>Option A</p>  <p style="text-align: center;"><b>A</b></p>	<p>Option B</p>  <p style="text-align: center;"><b>B</b></p>	<p>Option C</p>  <p style="text-align: center;"><b>C</b></p>	<p>Option D</p>  <p style="text-align: center;"><b>D</b></p>
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9	3_15 Science 3668	NATURAL RESOURCES	From the above graphic, it appears that an appropriate definition for the Carbon Cycle may be:	<p>Study the illustration representing the Carbon Cycle and answer the question</p> 	B
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**Answer Options**

		Option A the various natural and man-made processes that release carbon dioxide into the atmosphere	Option B a complex series of interactions by which carbon passes through the air, water, land and living things	Option C the process by which water travels in a sequence from the air to the Earth and returns to the atmosphere	Option D the evaporation, condensation and precipitation of carbon dioxide in the Earth's eco-system				
10	3_15 Science 3669	NATURAL RESOURCES	All the processes listed below RELEASE carbon dioxide, except one. Identify the one that does NOT release carbon dioxide.	Study the illustration representing the Carbon Cycle and answer the question 	<b>A</b>				
<b>Answer Options</b>									
		Option A Photosynthesis	Option B Burning of wood	Option C Respiration	Option D Organic decomposition				
11	3_17 Science 1828	Natural resources	Which type of soil do the particles shown in the figure belong to?(Use the scale given in the photograph)	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td><b>Gravel</b></td> <td><b>Sand</b></td> </tr> <tr> <td>&gt; 2 mm</td> <td>0.05 - 2 mm</td> </tr> </table>	<b>Gravel</b>	<b>Sand</b>	> 2 mm	0.05 - 2 mm	<b>B</b>
<b>Gravel</b>	<b>Sand</b>								
> 2 mm	0.05 - 2 mm								

					
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**Answer Options**

		<b>Option A</b> Gravel	<b>Option B</b> Sand	<b>Option C</b> Slit	<b>Option D</b> clay
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12	4_24 Science 10387	Natural Resources	All the GIVEN steps aim at	<ol style="list-style-type: none"> <li>1. Reduce automobile usage: take public transp</li> <li>2. Save energy, switch off eletrical appliances w</li> <li>3. Plant trees</li> <li>4. Recycle</li> </ol>	A
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**Answer Options**

		<b>Option A</b> reducing global warming	<b>Option B</b> reducing green coverage	<b>Option C</b> increasing power supply	<b>Option D</b> reducing the ozone layer
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13	4_23 Science 9136	Natural Resources	Which of these meshes would allow FINE SAND through but not COARSE SAND?		B
<b>Answer Options</b>					
		<b>Option A</b> Size 20	<b>Option B</b> Size 50	<b>Option C</b> Size 100	<b>Option D</b> Size 200
14	3_16 Science  2513	NATURAL RESOURCES	An animal census in Mudhumalai Wildlife Sanctuary revealed that there were about 2,000 elephants, 40 tigers, 200 sloth bears, 13,000 deer and more than 40,000 miscellaneous animals in these jungles. Which is the best method of representing this data in a meaningful way?		A
<b>Answer Options</b>					
		Option A a table	Option B a pie chart	Option C a line graph	Option D a Venn diagram
15	3_16 Science  2514	NATURAL RESOURCES	Identify P,Q and R in this representation of the Rock Cycle		A



