



<p>4. Gas released during Bhopal tragedy was</p> <p>a) methyl isocyanate                      c) sodium isothiocyanate  b) potassium isothiocyanate              d) ethyl isothiocyanate</p> <p>5. Give the full form of IUCN.</p> <p>6. Define 'ecological footprint'.</p> <p>7. Consider the following pollutants:</p> <ol style="list-style-type: none"> <li>1. Nitrogen dioxide</li> <li>2. Sulphur dioxide</li> <li>3. Carbon dioxide</li> </ol> <p>Which of the above is/are considered for calculating National Air Quality Index (NAQI)?</p> <p>a) 1 &amp; 2 Only                                      c) 2 &amp; 3 Only  b) 2 Only    d) 1, 2 &amp; 3</p> <p>8. Which of the following statement is not correct</p> <ol style="list-style-type: none"> <li>a) Pyramid of number can never be inverted</li> <li>b) Pyramid of energy can never be inverted</li> <li>c) Pyramid of number in a parasitic food chain will be inverted</li> <li>d) Pyramid of biomass may be inverted or upright</li> </ol> <p>9. Which of the following statements are correct regarding benthic organisms?</p> <ol style="list-style-type: none"> <li>1. Benthic organisms live in the bottom of the water mass.</li> <li>2. Practically every aquatic ecosystem has a well developed benthos.</li> </ol> <p>Select the correct option from the codes given below:</p> <p>a) Only 1    b) Only 2    c) Both 1 &amp; 2    d) Neither 1 &amp; 2</p> <p>10. Which of the following statements are correct with respect to food chain?</p> <ol style="list-style-type: none"> <li>1. A food chain starts with producers and ends with top carnivores.</li> <li>2. The sequence of eaten and being eaten involves transfer of food energy from trophic level to another.</li> <li>3. An ecosystem may consist of several interrelated food chains.</li> </ol> <p>Select the correct option from the codes given below:</p> <p>a) Only 1 &amp; 2    b) Only 2 &amp; 3    c) Only 1 &amp; 3    d) 1, 2 &amp; 3</p> <p>11. When fertilizers and sewage enter a water body phytoplankton</p>			
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	<p>and algae grow rapidly. What is this phenomenon called? Answer in one word.</p> <p>12. Define 'carrying capacity'.</p>			
<b>Q.2</b>	<p><b>Answer in brief (Any 7)</b></p> <ol style="list-style-type: none"> <li>1. What is the significance about Greta Thunberg's arguments on climate change?</li> <li>2. If we completely remove the decomposers from an ecosystem, its functioning will be adversely affected. State true or false with justification.</li> <li>3. How does species loss affect the extinction risk of the remaining species?</li> <li>4. What is the importance of Bishnoi movement?</li> <li>5. How can the prevailing rate of species extinction be declined By 30% solely through protection of biodiversity hotspots?</li> <li>6. Which of the following according to you is the major cause for loss of biodiversity amongst the four main causes of loss of biodiversity (Habitat loss and fragmentation, alien species invasion, over-exploitation and co-extinctions)? Justify your pick.</li> <li>7. What is the main reason for the decline in vulture population?</li> <li>8. What is Minnamata disease?</li> </ol>	<b>7x2=14</b>	<b>CO1</b>  <b>CO2</b>  <b>CO3</b>  <b>CO4</b>  <b>CO5</b>  <b>CO6</b>  <b>CO7</b>	<b>BTL1,2,3,5</b>
<b>Q.3</b>	<p><b>Write short notes on (Any 2)</b></p> <ol style="list-style-type: none"> <li>1. National air quality monitoring programme</li> <li>2. Pollution sources</li> <li>3. Blue baby syndrome</li> </ol>	<b>2x3=6</b>	<b>CO1</b>  <b>CO2</b>  <b>CO3</b>  <b>CO5</b>	<b>BTL1,2,3</b>

<p><b>Q.4</b></p>	<p><b>Answer in detail (Any 2):</b></p> <ol style="list-style-type: none"> <li>1. Describe the impact of at least three natural calamities on the environment.</li> <li>2. What are the causes for ozone layer depletion? Give the Harmful effects of the mentioned problem. Are the anthropogenic activities responsible for this environmental issue?</li> <li>3. Explain the ecosystem service. Write any four ecosystem services rendered by the natural ecosystem. Are you in support or against imposing a charge on the service given by the ecosystem?</li> </ol>	<p><b>2x5=10</b></p>	<p><b>CO1</b> <b>CO2</b> <b>CO3</b> <b>CO4</b> <b>CO5</b> <b>CO6</b> <b>CO7</b></p>	<p><b>BTL1,2,3</b></p>
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