

## EVS BLUEPRINT

Sr No	Topic Name	weightage	Q1	Q2	Q3	Q4	Q5	Q6	Total
1	<p>Multidisciplinary nature of environmental studies</p> <ul style="list-style-type: none"> <li>• Scope and importance</li> <li>• Need for public awareness</li> <li>• Depleting nature of environmental resources such as soil, water, mineral and forest</li> <li>• Global environmental crisis related to population, water, sanitation and land</li> <li>• Ecosystem: concept, classification, structure of ecosystem, overview of food chain, food web and ecological pyramid</li> </ul>	8	3			5		5	13
2	<p>Sustainable development</p> <ul style="list-style-type: none"> <li>• Concept of sustainable development</li> <li>• Social, economical and environmental aspect of sustainable development</li> <li>• Control measure: 3R(Reuse, recovery, recycle), appropriate technology, environmental education, resource utilization as per the carrying capacity</li> </ul>	8	3	5	5		5		13

3	<p>Environmental pollution</p> <ul style="list-style-type: none"> <li>• Air pollution: sources, effect of air pollution with respect to global warming, ozone layer depletion, Acid rain, Photochemical smog, Two control measure- Bag house filter, venturi scruber Case study: Bhopal Gas Tragedy</li> <li>• Water pollution: sources and treatment, concept of waste water, Domestic and industrial and treatment Case study: Mina Mata Disease</li> <li>• Land pollution: solid waste, solid waste management by land filling, composting</li> <li>• Noise pollution: sources and effect</li> <li>• E-pollution : sources and effects</li> </ul>	16	6	5		• 5	5	26
4	<p>Environmental legislation</p> <ul style="list-style-type: none"> <li>• Overview</li> <li>• Ministry of environment and forest (MoE&amp;F), Organizational structure of MoE&amp;F</li> <li>• Function and power of central control pollution board</li> <li>• Function and power of state control pollution board</li> <li>• Environmental clearance, consent and authorization mechanism</li> <li>• Environmental</li> </ul>	8	3	5	5			13

	<p>protection act</p> <ul style="list-style-type: none"> <li>Any two case studies pertaining to Environmental legislation</li> </ul>								
5	<p>Renewable sources of energy:</p> <ul style="list-style-type: none"> <li>Limitation of conventional source energy</li> <li>Various renewable energy source</li> <li>Solar energy: principle, working of flat plate collector and photovoltaic cell</li> <li>Wind energy: principle and wind turbines</li> <li>Hydel energy: principle and hydropower generation</li> <li>Geothermal energy: introduction , steam power plant</li> </ul>	13	3	5	5		5	5	18
6	<p>Environment and technology</p> <ul style="list-style-type: none"> <li>Role of technology in Environment and health</li> <li>Concepts of green building and indoor air pollution</li> <li>Carbon credit: introduction, general concept</li> <li>Disaster management: Two events: Tsunami, Earthquakes, Techniques of disaster management</li> <li>Case study: Earthquake in Japan</li> </ul>	8	3		5				13