

# WEST BENGAL COUNCIL OF HIGHER SECONDARY EDUCATION

## SUBJECT : ENVIRONMENTAL STUDIES (ENVS)

**CLASS – XII**

**SEMESTER – IV**

**FULL MARKS: 40**

Chapter	Subtopics	Marks	Hours
Environmental pollution and pollution control	<ol style="list-style-type: none"> <li>1. Air Pollution: Source, impact, control measures;</li> <li>2. Ozone Layer Depletion and its Effects Green</li> <li>3. House Effects and Global Warming; Ambient Air</li> <li>4. Quality Standards</li> <li>5. Water Pollution: Source, impact, control measures; Water Quality Parameters and</li> <li>6. Standards</li> <li>7. Soil Pollution: Source, impact, control measures;</li> <li>8. Soil quality indicators</li> <li>9. Noise Pollution: Source, impact, control measures; Noise level parameters</li> <li>10. Radiation Pollution</li> <li>11. Carbon trading, Carbon footprint</li> <li>12. Pollution-Related Diseases</li> <li>13. Disaster – Natural &amp; Man-Made</li> <li>14. Strategies for Pollution Abatement and</li> <li>15. Environmental Quality Improvement</li> <li>16. Clean Development Mechanism (CDM)</li> <li>17. Regulatory framework for pollution monitoring and control; case study: Ganga Action Plan; Yamuna Action Plan</li> <li>18. Exercise</li> </ol>	20	45
Environmental law and management	<ol style="list-style-type: none"> <li>1. Concept of Environmental Management: Need, Aspect, Approaches (Social, Economic and Moral)</li> <li>2. Waste Management: Solid, Liquid, Biomedical and Hazardous</li> <li>3. 4R Management</li> <li>Legal Provisions for Environmental Management: The Indian Forest Act 1927; The Wildlife (Protection) Act 1972; The Water (Prevention and Control of Pollution) Act 1974; The Water (Prevention and Control of Pollution) Cess Act 1977; The Forests (Conservation) Act 1980; The Air (Prevention and Control of Pollution) Act 1981; The Environment (Protection) Act 1986;</li> <li>4. Motor Vehicle Act 1988; The Public Liability Insurance Act 1991; Noise Pollution (Regulation and Control) Rules 2000; The Biological Diversity Act 2002</li> <li>5. Approaches for Environmental Management</li> <li>6. Exercise</li> </ol>	20	35