


# Central Pollution Control Board

## General Syllabus

Exam Duration - 3 Hours

- General Mathematics,
- Current news
- Current Environmental issues
- General statistics,
- Environmental laws,
- Physical & chemical properties
- General knowledge, science
- Mental Ability
- General English

Post	Senior Scientific Assistant	<ul style="list-style-type: none"><li>- Basics of Organic Chemistry, Chemistry of Aliphatic Hydrocarbons, Chemistry of Halogenated Hydrocarbons, alcohols, Phenols, Epoxide, Carbonyl Compounds, Carboxylic Acids and their Derivatives, Carbohydrates etc.</li><li>- Gaseous State, Liquid State, Solid State, Chemical Equilibrium, Electrochemistry, Electrostatics, Conductance, Photochemistry</li><li>- Basic instrumentation principles, Common Instrumentation for analyses of water and air, Standards &amp; Calibration.</li></ul> <p>Ecology, Ecosystem, Biological reclamation, Drinking Water Quality</p> <ul style="list-style-type: none"><li>- Atmospheric Chemistry, Sample collection and preservation, Monitoring of STPs, flow diagram of STPs, MLSS, SVI, Ganga action plan, Waste management, Fundamentals of environmental microbiology.</li><li>- Fundamentals of water analyses, gas laws, atmospheric thermo-dynamics, unit conversion, static data, dynamic data, uncertainty measurement, air quality standard /index,</li><li>- Iso-kinetic stack sampling. Ambient air quality monitoring</li><li>- Role of Computers in Instrumental Methods of Analysis</li><li>- Testing Waste and Soil Samples</li></ul>
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28/03/18  
Sr. AO, CPCB