

Pollution Control Board Assam Exam Pattern

Name Of The Subjects	Type Of Exam
Reasoning	Objective Type
General Aptitude	
English	
Technical Subjects	

PCB Assam Syllabus - Topic Wise

English

- Substitution
- Sentence Arrangement
- Transformation
- Prepositions
- Fill in the blanks
- Para Completion
- Joining Sentences
- Error Correction (Underlined Part)
- Antonyms
- Spelling Test
- Synonyms
- Idioms and Phrases
- Passage Completion
- Error Correction (Phrase in Bold)
- Spotting Errors
- Sentence Completion
- Active and Passive Voice
- Sentence Improvement

Reasoning

Verbal Reasoning

- Analogy
- Series Completion
- Verification of truth of the Statement
- Situation Reaction Test
- Direction Sense Test

- Classification
- Data Sufficiency
- Alpha-Numeric Sequence Puzzle
- Puzzle Test
- Operations of Mathematics
- Venn Diagrams
- Word Sequence
- Missing Characters
- Sequential Output training
- Blood Relations
- Coding-Decoding
- Assertion and Reasoning
- Arithmetical Reasoning
- Directions
- Test on Alphabets
- Eligibility Test

Non-Verbal Reasoning

- Dot Situation
- Identical figure groupings
- Forming figures and analysis
- Construction of Squares and Triangles
- Series
- Analogy
- Analytical Reasoning
- Paper Folding
- Paper Cutting
- Figure Matrix
- Completion Incomplete Pattern
- Spotting embedded figures
- Cubes and Dice
- Water Images
- Mirror Images
- Classification
- Rules Detection

Aptitude

- Simple Equations
- Quadratic Equations
- Indices and Surds
- Mensuration
- Percentages
- Odd Man Out
- Numbers and Ages

- Pipes and Cisterns
- Time and Work Partnership
- Ratio and Proportion
- Areas
- Time and Distance
- Problems on Trains
- Simple Interest
- Probability
- Averages
- Problems on L.C.M and H.C.F
- Problems on Numbers
- Compound Interest
- Volumes Profit and Loss
- Races and Games
- Mixtures and Allegations
- Boats and Streams
- Permutations and Combinations
- Simplification and Approximation

Chemistry

- Types of solutions (Gas solutions, Liquid solutions, Solid solutions)
- Ideal & Non- ideal solutions
- Colligative properties of solutions
- Raoult's law
- Pauli's exclusion principle
- Aufbau principle
- Fundamental particles of an atom (electron, proton, neutron)
- Rutherford's nuclear model
- Quantum Nos.
- Types of orbital (s, p, d, f), the shape of orbital
- Modern periodic table
- Variation in atomic properties (Size, ionization potential, Electron affinity, Electronegativity)
- Solute, Solvent, Solution
- The concentration of solutions (Molarity, Normality, Formality, Molality, Mole fraction, Weight percent)

Civil

- A flow of Fluids, Hydraulic Machines, and Hydro Power
- Fluid Mechanics, Open Channel Flow, Pipe Flow
- Hydraulic Machines and Hydropower
- Hydrology and Water Resources Engineering
- Environmental Engineering
- Water Supply Engineering

- Building Materials
- Structural Analysis
- Construction Practice
- Planning and Management
- Design of Steel Structures
- Design of Concrete and Masonry structures
- Waste Water Engineering
- Solid Mechanics
- Solid Waste Management
- Air, Noise pollution, and Ecology
- Geotechnical Engineering and Foundation Engineering
- Surveying and Geology
- Transportation Engineering
- Highways
- Tunneling
- Railways Systems
- Harbors
- Airports

Mechanical

- Applied Mechanics and Design.
- Mechanics of Materials.
- Engineering Mechanics.
- Vibrations.
- Theory of Machines.
- Fluid Mechanics and Thermal Sciences.
- Machine Design.
- Thermodynamics.
- Heat-Transfer.
- Engineering Materials.
- Materials, Manufacturing, and Industrial Engineering.
- Casting, Forming, and Joining Processes.
- Machining and Machine Tool Operations etc.

Electronics

- Transducers, Mechanical Measurement and Industrial Instrumentation
- Signals, Systems, and Communications
- Control Systems and Process Control
- Digital Electronics
- Analog Electronics
- Electrical and Electronic Measurements

Electrical

- Electromagnetic Theory.
- Electrical Instrumentation.
- Electronics Devices.
- Electrical Machines.
- Analog and Digital Electronics.
- Network Analysis.
- Control Systems.
- Power System Protection.
- Power Electronics & Drives.
- The Power System Analysis & Control.
- Power Systems.
- Utilization of Electrical Energy.
- Switch Gear and Protection etc.

Jobschat.in