

**Jharkhand Combined Entrance Competitive Examination Board**  
**(JCECEB)**

**Jharkhand Polytechnic Entrance Exam**  
**(Syllabus Details)**

Subject	No. Of Questions	Marks
1. Physics	50	50
2. Chemistry	50	50
3. Mathematics	50	50
Total	150	150

- Exam Time Duration – 2:30 Hours

**Physics:**

Work, Power, and Energy, Measurement, Kinetics, Kinetic Theory of Gases, Rotatory Motion of a Rigid Body, Gravitation, Laws of Motion, Simple Harmonic Motion, Hydrostatics, Reflection of Light, Refraction of Light, Optical Instruments, Electrostatics, Electromagnetism, Electromagnetic Induction, Current Electricity, Heat and Thermal Expansion, Thermodynamics, Transmission of Heat, Wave Motion.

**Chemistry:**

Elements, Group Elements, Important Chemical Compounds, Electrochemistry, Mixtures and Compounds, Molecular and Equivalent Masses, Acids, Bases, Salt, and Hydrolysis, Catalysis, Different Chemical Reactions, Periodic Classification of Elements, Laws of Chemical Combination and Gas Laws, Valency, Atomic Structure, Concept of Atomic, Hydrocarbons, Detergents, Drugs, and Explosives., Polymers.

**Mathematics:**

Number System, Time and Distance, Rational Expressions, Logarithms, Quadratic Equations, Linear Equations, Factorization, HCF and LCM, Sets, Relations and Functions, Time and Work, Simple Interest and Compound Interest, Banking, Taxation, Trigonometric, Trigonometrical Formulae, Ratios and Identities, Statistics, Geometry, Area, Volume and Surface Area, Heights and Distances, The Straight Line, Rectangular Coordinates.

**Note: for more details visit website - <https://www.jharupdate.com/>**