



JCECEB PECE 2022 

SYLLABUS

**Jharkhand Polytechnic
Entrance Exam 2022**

Eligible 10th Pass




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**Download PYQs, Practice
Set For Preparation**

Syllabus for Physics:



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

Syllabus for Chemistry:



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

Syllabus for Mathematics:



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