

Board Practice Test Std. XII

Schedule

Physics Week

Subject	Date	Timing	Topics
Physics	22/12/2014	02:30 pm to 04:30 pm	Current Electricity, Magnetic Effect of electric current, Electrons photons, Semiconductors, Communication, Wave theory of light, Interference and diffraction, Magnetism.
Physics	24/12/2014	02:30 pm to 04:30 pm	Electrostatics, Electromagnetic Induction, Atoms, Molecules and nuclei.
Physics	26/12/2014	02:30 pm to 04:30 pm	Circular Motion, Gravitation, Rotational Motion, Oscillations, Elasticity, Surface Tension, Wave Motion, Stationary Waves, Kinetic theory of gases and Radiation.

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Chemistry Week

Subject	Date	Timing	Topics
Chemistry	29/12/2014	02:30 pm to 04:30 pm	Chemical Thermodynamics, Solid State Chemistry, P-block element, Co-ordination compounds, Polymers.
Chemistry	31/12/2014	02:30 pm to 04:30 pm	Halogen derivative of alkanes and haloarenes, alcohols, phenols, ethers, aldehydes, ketones, carboxylic acid, compound containing nitrogen, Biomolecules, general principle and isolation of elements and metallurgy.
Chemistry	02/01/2015	02:30 pm to 04:30 pm	Solutions & Colligative properties, Chemical Kinetics, Electrochemistry, d & f block elements, Chemistry in everyday life.

PACE EDUCATIONAL TRUST

PACE JUNIOR SCIENCE COLLEGE, DADAR

Plot no-446, Opp Shardashram Society, Bhawani Shankar Road, Dadar (W), Mumbai- 400028

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Electrical Maintenance/Computer science Week

Subject	Date	Timing	Topics
Electrical Maintenance / Computer Science	05/01/2015	02:30 pm to 04:30 pm	E.M. – Electrical Symbols, Circuit diagram and panel diagram, Fuses, Conductors, Gauge of a conductor, Insulators, Semiconductors and high resistance heating elements, Types of wires and wiring accessories, Wiring system, House wiring, Indian electricity rules and overhead lines. C.S. I – C++ C.S. II- Networking Technology
Electrical Maintenance / Computer Science	06/01/2015	02:30 pm to 04:30 pm	E.M. – Underground cables, Illumination, Electrical Appliances, Electric heating, Parallel operation of 3-phase alternators, Theory of rotating magnetic field and 3- ϕ Induction motor, H.V. Substation, Maintenance C.S. I- Operating System C.S. II- Instruction Set and Programming of 8085
Electrical Maintenance / Computer Science	07/01/2015	02:30 pm to 04:30 pm	E.M. – Transformers, Single phase motors, Theory of rotating magnetic field and 3- ϕ Induction motor, Synchronous motor, Measuring Instruments. C.S. I - Data Structures, HTML C.S. II- Introduction to 8085 Microprocessor (Theory), Introduction to 8051 microcontroller and X-86 family.

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Mathematics Week

Subject	Date	Timing	Topics
Mathematics	08/01/2015	02:30 pm to 04:30 pm	Maths I-Mathematical Logic, Matrices, Trigonometric function, Linear Programming. Maths II- Continuity, Differentiation, Applications of Derivatives
Mathematics	09/01/2015	02:30 pm to 04:30 pm	Maths I – Pair of straight lines Maths II – Integration, Definite Integral, Applications of Definite Integral, Differential Equations
Mathematics	10/01/2015	02:30 pm to 04:30 pm	Maths I – Vectors, Three Dimensional Geometry, Line, Plane Maths II – Probability Distribution, Binomial Distribution.

