

**Syllabus of BITSAT Online Test Series  
for Class XI  
Academic Session 2011-12**

Test Type	Chemistry	Maths	Physics
PT-1	States of Matter, Concentration Units, Periodic Table & Periodicity, Classification	Sets & Relations, Quadratic Equation, Logarithm, Trigonometric Ratios & Identities, Sequence & Series.	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion.
PT-2	Atomic Structure, Chemical Bonding, Geometrical isomerism in alkenes	Permutation & Combination (P&C), Binomial Theorem, Mathematical Induction, Trigonometric Equations	Newton's Laws of Motion, Friction, Work, Power & Energy, Circular Motion, Centre of mass
CT-1	States of Matter, Concentration Units, Periodic Table & Periodicity, Classification, Atomic Structure, Chemical Bonding, Geometrical isomerism in alkenes	Sets & Relations, Quadratic Equation, Logarithm, Trigonometric Ratios & Identities, Sequence & Series, Permutation & Combination (P&C), Binomial Theorem, Mathematical Induction, Trigonometric Equations	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, Newton's Laws of Motion, Friction, Work, Power & Energy, Circular Motion, Centre of mass
PT-3	Gaseous state, Liquid state, Redox Reactions, Chemical Bonding, Introduction	Determinants, Straight Lines, Circle, Parabola, Heights & Distance, Properties of Triangle.	Rotational Motion, Unit & Dimension, Elasticity, Viscosity, Fluid Mechanics
CT-2	States of Matter, Concentration Units, Periodic Table & Periodicity, Classification, Atomic Structure, Chemical Bonding, Geometrical isomerism in alkenes, Gaseous state, Liquid state, Redox Reactions, Chemical Bonding, Introduction	Sets & Relations, Quadratic Equation, Logarithm, Trigonometric Ratios & Identities, Sequence & Series, Permutation & Combination (P&C), Binomial Theorem, Mathematical Induction, Trigonometric Equations, Determinants, Straight Lines, Circle, Parabola, Heights & Distance, Properties of Triangle.	Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative Motion, Newton's Laws of Motion, Friction, Work, Power & Energy, Circular Motion, Centre of mass, Rotational Motion, Unit & Dimension, Elasticity, Viscosity, Fluid Mechanics
PT-4	Physical Equilibrium, Chemical Equilibria, Thermodynamics, First Law of Thermodynamics, s-block Elements, Alkali metals, Alkaline earth metals, Hydrogen, Conformations.	Ellipse, Hyperbola, Complex Numbers	KTG & Thermodynamics, Calorimetry & Thermal Expansion, SHM, String Waves, Sound Waves, Surface Tension.
FT-1	Full XI Syllabus	Full XI Syllabus	Full XI Syllabus
FT-2	Full XI Syllabus	Full XI Syllabus	Full XI Syllabus