

**IIT – JEE 2017 ASPIRANTS : MAJOR TEST # 5 (Main)**

**Examination Day & Date:** Saturday, 9<sup>th</sup> July 2016.  
**Timings** : Paper - I : 2 – 5 pm

**SYLLABUS**

SUBJECTS	TOPICS
<b>PHYSICS</b>	Full Mechanics (Including Fluid, Properties of Matter , S.H.M., Gravitation, Geometrical Optics, Heat & Thermodynamics, Electrostatics & capacitors , Waves : (Transverse Waves & Sound Waves )
<b>CHEMISTRY</b>	Atomic Structure, Mole Concept, Gaseous state, Periodic table, Chemical Bonding, Thermodynamics & Thermo-chemistry Chemical & Ionic Equilibrium, Chemical Kinetics, Volumetric Analysis, Electrochemistry, Solid State, IUPAC & Nomenclature, General Organic Chemistry, Isomerism, Reaction Mechanism , Hydrocarbons & Aromatics Hydrocarbons, Alkyl & Aryl Halides
<b>MATHEMATICS</b>	Trigonometry -I, Trigonometric Equation, Quadratic Equations, Inequation & Equation, Sequence & Series , Straight Line , Circle, Conics Sections, Binomial Theorem , Permutation & Combination, Probability, Complex Number, Determinant & Matrices , Vectors & 3D , Functions & LCD , Method of Differentiation, Applications of Derivative

**IIT – JEE 2017 ASPIRANTS: MAJOR TEST # 5 (Adv.)**

**Examination Day & Date:** Sunday 10<sup>th</sup> July 2016.

**Timings** : Paper I : 9.00 – 12.00 am  
: Paper II : 1.00 – 4.00 pm

**SYLLABUS**

SUBJECTS	TOPICS
<b>PHYSICS</b>	Full Mechanics (Including Fluid, Properties of Matter , S.H.M., Gravitation, Geometrical Optics, Heat & Thermodynamics, Electrostatics & capacitors , Waves : (Transverse Waves & Sound Waves )
<b>CHEMISTRY</b>	Atomic Structure, Mole Concept, Gaseous state, Periodic table, Chemical Bonding, Thermodynamics & Thermo-chemistry, Chemical & Ionic Equilibrium, Chemical Kinetics, Volumetric Analysis, Electrochemistry, Solid State, IUPAC & Nomenclature, General Organic Chemistry, Isomerism, Reaction Mechanism , Hydrocarbons & Aromatics Hydrocarbons, Alkyl & Aryl Halides
<b>MATHEMATICS</b>	Trigonometry -I, Trigonometric Equation, Quadratic Equations, Inequation & Equation, Sequence & Series , Straight Line , Circle, Conics Sections, Binomial Theorem , Permutation & Combination, Probability, Complex Number, Determinant & Matrices , Vectors & 3D , Functions & LCD , Method of Differentiation, Applications of Derivative

