

# PACE IIT | MEDICAL | MHT-CET

MUMBAI / AKOLA / DELHI / KOLKATA / LUCKNOW / NASHIK / GOA / BOKARO / PUNE / NAGPUR

## IIT-JEE: 2019 ASPIRANTS: MAJOR TEST # 6 (MAIN)

**Examination Day & Date :** Saturday, 27<sup>th</sup> October 2018

**Timing :** Paper I : 3.00 - 6.00 pm

**Test Type :** Online

### SYLLABUS

SUBJECTS	TOPICS
<b>PHYSICS</b>	Vectors, Kinematics–1 & 2, Calculus for physics, Dimension Analysis and Errors, Laws of Motion & Friction, Circular Motion, Work Power Energy, Center of Mass & Collisions, Heat & Thermodynamics, Rotational Dynamics, Gravitation, Fluid Mechanics & POM, SHM, Electrostatics & Capacitors, Ray Optics, current Electricity, Wave Optics, Magnetism, EMI, AC, Modern Physics
<b>CHEMISTRY</b>	Atomic Structure, Mole concept, Periodic Table, Gaseous State, Chemical Bonding, Energetics, Chemical & Ionic Equilibrium, IUPAC Nomenclature, GOC, Volumetric, Isomerism, Reaction Mechanism, Chemical Kinetics, Electrochemistry, Hydrocarbons, Aromatic Hydrocarbon, Alkyl, Aryl & Halide, Solid State, Nuclear & Surface Chemistry, Solution, Co-ordination Compounds, Alcohol, Ether & Phenol, Aldehyde & Ketones, S-Block, D & F-Block, Metallurgy, Carboxylic Acid, Amines, Biomolecules, Polymers, P-Block (till last lecture)
<b>MATHEMATICS</b>	Trigonometric Ratios and Identities, Quadratic Equations, Trigonometric Equations, Inequations & Logarithms, Sequence and Series, Complex Numbers, P & C, Binomial Theorem, Probability, Straight lines and POSL, Circle, Conics Section, Functions, Limit, Continuity, Differentiability & MOD, AOD, Indefinite & Definite Integral, Vectors & 3-D, Area Under Curve, Differential Equations, Determinants and Matrices, SOT, ITF

CENTERS : MUMBAI / DELHI / AKOLA / LUCKNOW / NASHIK / PUNE / NAGPUR / BOKARO / DUBAI

## IIT-JEE: 2019 ASPIRANTS: MAJOR TEST # 6 (ADV)

**Examination Day & Date :** Saturday, 28<sup>th</sup> October 2018

**Timing :** Paper I : 9.00 - 12.00 pm

Paper II : 1.00 – 4.00 pm

**Test Type :** Online

### SYLLABUS

SUBJECTS	TOPICS
<b>PHYSICS</b>	Vectors, Kinematics–1 & 2, Calculus for physics, Dimension Analysis and Errors, Laws of Motion & Friction, Circular Motion, Work Power Energy, Center of Mass & Collisions, Heat & Thermodynamics, Rotational Dynamics, Gravitation, Fluid Mechanics & POM, SHM, Electrostatics & Capacitors, Ray Optics, current Electricity, Wave Optics, Magnetism, EMI, AC, Modern Physics
<b>CHEMISTRY</b>	Atomic Structure, Mole concept, Periodic Table, Gaseous State, Chemical Bonding, Energetics, Chemical & Ionic Equilibrium, IUPAC Nomenclature, GOC, Volumetric, Isomerism, Reaction Mechanism, Chemical Kinetics, Electrochemistry, Hydrocarbons, Aromatic Hydrocarbon, Alkyl, Aryl & Halide, Solid State, Nuclear & Surface Chemistry, Solution, Co-ordination Compounds, Alcohol, Ether & Phenol, Aldehyde & Ketones, S-Block, D & F-Block, Metallurgy, Carboxylic Acid, Amines, Biomolecules, Polymers, P-Block, Salt Analysis (till last lecture)
<b>MATHEMATICS</b>	Trigonometric Ratios and Identities, Quadratic Equations, Trigonometric Equations, Inequations & Logarithms, Sequence and Series, Complex Numbers, P & C, Binomial Theorem, Probability, Straight lines and POSL, Circle, Conics Section, Functions, Limit, Continuity, Differentiability & MOD, AOD, Indefinite & Definite Integral, Vectors & 3-D, Area Under Curve, Differential Equations, Determinants and Matrices, SOT, ITF