

Schedule for IIT-JEE(Main) Crash Course - 2020 (Batch-4)

| Sl No | Date | Day | Physics | Chemistry | Maths |
|-------|----------|-----------|---|---|---|
| 1 | 25/05/20 | Monday | Unit dimension, error analysis, significant figure | Mole concept, Average atomic mass, Gram molar volume, Molarity, molality and molefraction | Wavy Curve Method, Modulus & their properties |
| 2 | 26/05/20 | Tuesday | Vector & Relative motion | Equivalent weight, Normality, Equivalent concept, Acid base titration, redox titration | Logarithm and their properties |
| 3 | 27/05/20 | Wednesday | Motion in 1-D | Atomic structure: Bohr's model, H-spectrum, de-Broglie equation | Quadratic equation |
| 4 | 28/05/20 | Thursday | Motion in 2-D | Electronic configuration, quantum numbers, wave mechanical model of atom | Quadratic Equation and Expression, Theory of Equation |
| 5 | 29/05/20 | Friday | Laws of motion | Chemical bonding: VBT, Hybridization, VSEPR-theory | Progressions (I) |
| 6 | 30/05/20 | Saturday | Friction | Molecular orbital theory, H-bonding | Progressions (II) |
| 7 | 31/05/20 | Sunday | Dynamics of circular motion | State of matter: Gas laws, Ideal gas equation Vander wall's equation | Trigonometric Ratios |
| 8 | 01/06/20 | Monday | PT-1 (100% Syllabus from Sl. No 1 to 7) | | |
| 9 | 02/06/20 | Tuesday | Work, Work energy theorem | Thermodynamics: Properties, function, work, first law of thermodynamics, Enthalpy | Trigonometric Ratios & Identities |
| 10 | 03/06/20 | Wednesday | Conservation of Energy, Power, Vertical circular motion | Thermodynamics: Enthalpy, Entropy, Free energy | Trigonometric Equation |
| 11 | 04/06/20 | Thursday | Conservation of Linear Momentum, Collision | Chemical Equilibrium | Introduction to 2D Geometry |
| 12 | 05/06/20 | Friday | Center of mass (Location & Motion) | Ionic Equilibrium: pH, buffer Solution | Straight Lines |
| 13 | 06/06/20 | Saturday | Moment of Inertia, Torque | Ionic Equilibrium: Salt hydrolysis, solubility and solubility product | Straight Lines and Pair of Straight Lines |
| 14 | 07/06/20 | Sunday | Rotational Dynamics | GOC: Inductive effect, Resonance, | Circles |
| 15 | 08/06/20 | Monday | PT-2 (60 % Syllabus Sl, No. 1 to 14 & 40% syllabys from from Sl. 1 to 7) | | |
| 16 | 09/06/20 | Tuesday | Conservation of Angular momentum, Rolling | GOC: Hyperconjugation, Aromaticity, reaction intermediates | Circles and system of Circles |
| 17 | 10/06/20 | Wednesday | Gravitation | Isomerism: structural and geometrical | Parabola |
| 18 | 11/06/20 | Thursday | Fluid statics & Dynamics | Isomerism: Optical | Ellipse |

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| 19 | 12/06/20 | Friday | Elasticity, Viscosity | Conformation | Hyperbola |
| 20 | 13/06/20 | Saturday | Surface tension, Calorimetry | Alkane | Binomial Theorem |
| 21 | 14/06/20 | Sunday | Thermal expansion, Kinetic theory of gases | Alkene(Elimination reactions) | Permutation & Combination (I) |
| 22 | 15/06/20 | Monday | PT-2 (60 % Syllabus SI, No. 16 to 21 & 40% syllabys from from SI. 1 to 14) | | |
| 23 | 16/06/20 | Tuesday | Thermodynamics | Alkene reactions | Permutation & Combination (II) |
| 24 | 17/06/20 | Wednesday | Heat transfer | Alkene reactions, Alkyne | Complex Numbers (I) |
| 25 | 18/06/20 | Thursday | Wave 1 (General equation of wave, Wave in a string, intensity of wave) | EAS | Complex Numbers (II) |
| 26 | 19/06/20 | Friday | Wave 2 (Standing wave, transverse vibration of string, Sonometer) | Alkyl halide preparation | Properties and Solution of Triangle |
| | 20/06/20 | Saturday | Wave 3 (Beats, Organ pipes, Dopplers effect) | Alkyl halides: Reaction | Height & Distance |
| 27 | 21/06/20 | Sunday | Wave optics | Alcohol | Sets & Relation |
| 29 | 22/06/20 | Monday | Copmlete Syllabus Test-Class - XI | | |
| 30 | 23/06/20 | Tuesday | Reflection from plane & spherical surface | Ethers, phenol | Functions |
| 31 | 24/06/20 | Wednesday | Refraction from plane surface, Prism, TIR | Carbonyl compound | Inverse Trigonometric Functions |
| 32 | 25/06/20 | Thursday | Lens, Optical instruments | carbonyl compound, aldol condensation, cannizzaro reaction. | Limits & Continuity |
| 33 | 26/06/20 | Friday | Coulomb's law, Electric field | Craboxylic acid derivatives | Differentiability & Derivatives |
| 34 | 27/06/20 | Saturday | Gauss theorem | amines | Application of Derivatives (I) - Rate measure, Geometrical application, Mean value Theorem |
| 35 | 28/06/20 | Sunday | Electric potential & Potential energy | Carbohydrates and amino acids | Application of Derivatives (II) - Monotonocity, Maxima & Minima |
| 36 | 29/06/20 | Monday | PT-4 (100 % Syllabus SI, No. 30 to 35) | | |
| 37 | 30/06/20 | Tuesday | Capacitor | Electrochemistry | Indefinite Integral |
| 38 | 01/07/20 | Wednesday | Capacitive circuit, RC circuit | Chemical kinetics | Definite Integral (I) |
| 39 | 02/07/20 | Thursday | Current electricity | solution | Definite Integral (II) |

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| 40 | 03/07/20 | Friday | Electrical instruments, Heating effect of current | Solid state | Area under curve |
| 41 | 04/07/20 | Saturday | Biot-Savart's law, Ampere-Circutal law | d-block & coordination compound | Differential Equation |
| 42 | 05/07/20 | Sunday | Motion of charge particle, Magnetic Effect of current | p-block 13th, 14th and 15th group | Matrices & Determinants |
| 43 | 06/07/20 | Monday | PT-5 (60 % Syllabus SI, No. 37 to 42 & 40% syllabys from from SI. 30 to 35) | | |
| 44 | 07/07/20 | Tuesday | Magnetism, EMI | p-block 16th, 17th and 18th group | Vector Algebra |
| 45 | 08/07/20 | Wednesday | AC. EMW | s-block elements | 3D Geometry (Line) |
| 46 | 09/07/20 | Thursday | Photoelectric effect, X-Ray, Atomic Physics | qualitative analysis | 3D Geometry (Plane) |
| 47 | 10/07/20 | Friday | Nuclear Physics, Semiconductor | Metallurgy, Surface chemistry | Probability (I) |
| 48 | 11/07/20 | Saturday | GT-1 (Full syllabus of XI & XII) | | |
| 49 | 12/07/20 | Sunday | Preparation | | |
| 50 | 13/07/20 | Monday | GT-2 (Full syllabus of XI & XII) | | |
| 53 | 14/07/20 | Tuesday | Preparation | | |
| 54 | 15/07/20 | Therasday | GT-3 (Full syllabus of XI & XII) | | |