

## Schedule for IIT-JEE(Main+Adv.) SCCP Course - 2020-21

### PHASE-I

Sl. No	Date	Day	<u>Physics</u>	<u>Chemistry</u>	<u>Maths</u>
1	11-01-21	Monday	<b><i>Orientation Class</i></b>		
2	12-01-21	Tuesday	Unit dimension	Mole concept, Average atomic mass, Gram molar volume	Wavy Curve Method
3	13-01-21	Wednesday	Error analysis	Molarity, molality and mole fraction	Modulus & their properties
4	14-01-21	Thursday	Significant figure, Vernier Caliper, Screw gauge	Equivalent weight n-factor, Normality	Modulus inequalities
5	15-01-21	Friday	Vector & Scalar (Addition of Vector)	Titration (Acid-Base, Redox, Back & Precipitation)	Logarithm and their properties
6	16-01-21	Saturday	Dot product and Cross product	Hardness of Water, Volume Strength of $H_2O_2$ , Percentage of free $SO_3$ in Olium	Logarithm inequalities
7	17-01-21	Sunday	Questions on Application of Vector	Question Based on Stoichiometry	Question Based on Inequalities

8	18-01-21	Monday	<b>SAMPLE PRACTICE TEST</b>		
9	19-01-21	Tuesday	Motion in 1-D	Atomic structure: Planck Quantum Theory, Bohr's model	Quadratic equation
10	20-01-21	Wednesday	Motion in 2-D	H- spectrum, de-Broglie equation	Quadratic Equation and Expression, Theory of Equation
11	21-01-21	Thursday	Relative motion	Electronic configuration, quantum numbers, Wave machanical model of atom	Progressions (I)
12	22-01-21	Friday	Laws of motion	Chemical Bonding: VBT, Hybridization	Progressions (II)
13	23-01-21	Saturday	Friction	VSPER-Theory, MOT, Hydrogen Bond	Trignometric Ratios & Identities
14	24-01-21	Sunday	Dynamics of circular motion, Work Done by Constant and variable forces	State of matter: Gas laws, Ideal gas equation Vander wall's equation	Trignometric Equation
15	25-01-21 TEST-01 JEE MAIN MODEL	Monday	<b>SYLLABUS (100% S.No. 2 to 6)</b>		
16	26-01-21	Tuesday	<b>REPUBLIC DAY</b>		

17	27-01-21	Wednesday	Work energy theorem, Conservation of Energy, Power, Vertical circular motion	Thermodynamics: Properties, function, work, first law of thermodynamics, Enthalpy	Introduction to 2D Geometry
18	28-01-21	Thursday	Conservation of Linear Momentum, Collision	Thermodynamics: Enthalpy, Entropy, Free energy	Straight Lines
19	29-01-21	Friday	Center of mass (Location & Motion)	Chemical Equilibrium	Straight Lines and Pair of Straight Lines
20	30-01-21	Saturday	Moment of Inertia, Torque	Ionic Equilibrium: pH, buffer Solution	Circles
21	31-01-21	Sunday	Rotational Dynamics	Ionic Equilibrium: Salt hydrolysis, solubility and solubility product	Circles and system of Circles
22	01-02-21 TEST-02 JEE MAIN MODEL	Monday	<b>SYLLABUS (60%, S. No. 09 to 14 + 40%, Cumulative)</b>		
23	02-02-21	Tuesday	Conservation of Angular momentum, Rolling	GOC: Inductive effect, Resonance, Hyperconjugation	Parabola
24	03-02-21	Wednesday	Gravitation	Aromaticity, reaction intermediates	Ellipse
25	04-02-21	Thursday	Fluid statics & Dynamics	Isomerism: structural and geometrical	Hyperbola

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26	05-02-21	Friday	Elasticity	Isomerism: Optical, Conformation	Binomial Theorem
27	06-02-21	Saturday	Viscosity, Surface tension	Alkane	Permutation & Combination-I
28	07-02-21	Sunday	Thermal expansion, Calorimetry	Alkene(Elimination reactions)	Permutation & Combination-II
29	08-02-21 TEST-03 JEE MAIN MODEL	Monday	<b>SYLLABUS (60%, S. No. 17 to 21 + 40% Cumulative)</b>		
30	09-02-21	Tuesday	Heat transfer	Alkene reactions	Complex Numbers-I
31	10-02-21	Wednesday	Kinetic theory of gases, Thermodynamics	Alkene reactions, Alkyne	Complex Numbers-II
32	11-02-21	Thursday	SHM(Kinematics of SHM)	EAS	Properties and Solution of Triangle
33	12-02-21	Friday	SHM(Finding time period, Composition of SHM)	Alkyl halide preparation	Height & Distance

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34	13-02-21	Saturday	Wave 1 (General equation of wave, Wave in a string, intensity of wave)	Alkyl halides: Reaction	Sets & Relation
35	14-02-21	Sunday	Wave 2 (Standing wave, transverse vibration of string, Sonometer)	Alcohol	Functions
36	15-02-21 TEST-04 JEE MAIN MODEL	Monday	<b>SYLLABUS (60%, S. No. 23 to 28 + 40% Cumulative)</b>		
37	16-02-21	Tuesday	Wave 3 (Beats, Organ pipes, Dopplers effect)	Ethers, phenol	Inverse Trigonometric Functions
38	17-02-21	Wednesday	Interference of light	carbonyl compound : Preparation and Nucleophilic Reaction	Limits & Continuity
39	18-02-21	Thursday	Diffraction, Polarisation	aldol condensation, cannizzaro reaction.	Differentiability & Derivatives
40	19-02-21	Friday	Reflection from plane & spherical surface	Craboxylic acid derivatives, Amines	Application of Derivatives (I) - Rate measure, Geometrical application, Mean value Theorem
41	20-02-21	Saturday	Refraction from plane surface, Prism, TIR	Carbohydrates and Test of Carbohydrates	Application of Derivatives (II) - Monotonocity, Maxima & Minima

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42	21-02-21	Sunday	Lens, Optical instruments	amino acids, peptide and protein, Test of protein	Indefinite Integral
43	22-02-21 TEST-05 JEE MAIN MODEL	Monday	<b>SYLLABUS (60%, S. No. 30 to 35 + 40% Cumulative)</b>		
44	23-02-21	Tuesday	<b>JEE MAINS EXAM</b>		
45	24-02-21	Wednesday	<b>JEE MAINS EXAM</b>		
46	25-02-21	Thursday	<b>JEE MAINS EXAM</b>		
47	26-02-21	Friday	<b>JEE MAINS EXAM</b>		
48	27-02-21	Saturday	Coulomb's law, Electric field, Gauss theorem & its Application	Electrochemistry	Definite Integral (I)
49	28-02-21	Sunday	Electric potential & Potential energy	Chemical kinetics	Definite Integral (II)
50	01-03-21 TEST-06 JEE MAIN MODEL	Monday	<b>SYLLABUS (60%, S. No. 37 to 42 + 40% Cumulative)</b>		

51	02-03-21	Tuesday	Capacitor	Solution	Area under curve
52	03-03-21	Wednesday	Capacitive circuit, RC circuit	Solid state	Differential Equation
53	04-03-21	Thursday	Current electricity	d-block elements	Matrices
54	05-03-21	Friday	Electrical instruments, Heating effect of current	Coordination compounds : Introduction IUPAC name, Werner -theory, VBT	Determinants
55	06-03-21	Saturday	Biot-Savart's law, Ampere-Circuital law, Motion of charge particle	Coordination compounds : CFT, CFSE, Isomerism, Metal carbonyls	Vector Algebra-I
56	07-03-21	Sunday	Magnetic effect of current, Magnetism	p-block 13 <sup>th</sup> , 14 <sup>th</sup> , 15 <sup>th</sup> group	Vector Algebra-II
57	08-03-21 TEST-07 JEE MAIN MODEL	Monday	<b>SYLLABUS (60%, S. No. 48 to 49 + 40% Cumulative)</b>		
58	09-03-21	Tuesday	EMI	p-block, 16 <sup>th</sup> , 17 <sup>th</sup> and 18 <sup>th</sup> group	3D Geometry (Line)
59	10-03-21	Wednesday	AC	s-block elements	3D Geometry (Plane)
60	11-03-21	Thursday	EMW, Photoelectric effect, X-Ray	Surface Chemistry	Probability
61	12-03-21	Friday	Atomic Physics, Nuclear Physics	Metallurgy	Statistics

62	13-03-21	Saturday	Semiconductor, POC	qualitative analysis	Mathematical reasoning
63	14-03-21	Sunday	<b>JEE-Mains-Complete Syllabus Test</b>		
64	15-03-21		<b>March JEE-Mains Exam/JEE-Mains-Complete Syllabus Test</b>		
65	16-03-21		<b>March JEE-Mains Exam/JEE-Mains-Complete Syllabus Test</b>		
66	17-03-21		<b>March JEE-Mains Exam/JEE-Mains-Complete Syllabus Test</b>		
67	18-03-21		<b>March JEE-Mains Exam</b>		

CLASSES