



COURSE PLANNER

Course Concept:

This course is for Class-XII passed students to prepare them for JEE (Main+Adv) 2021 attempt. The syllabus for JEE Main will be covered well before the exam and so that the student is well prepared and two months will be allotted for revision for JEE (Advanced) after the JEE (Main) exam. The course will be conducted in two "Tracks" so that syllabus is completed well in time with periodic testing and doubt clearance classes.

TOTAL ACADEMIC HOURS

Course Duration: 28 Weeks

Total Number of Lectures: 672 (P: 224 | C: 224 | M: 224)

Duration of one lecture: 1.25 hrs. = 75 minutes

Total Duration of Classroom Teaching: 840 hrs.

SUBJECT WISE SYLLABUS PLAN

PHYSICS [P]			MATHEMATICS [M]					
TRACK - 1			TRACK - 1		TRACK - 2			
S. No	Topic Name/Sequence	No. of Teaching Hours	S. No	Topic Name/Sequence	No. of Teaching Hours	S. No	Topic Name/Sequence	No. of Teaching Hours
1	KTG and Thermodynamics	13	1	Sequence & Series	10	1	Quadratic Equation	11
2	Calorimetry and Thermal Expansion	6	2	Binomial Theorem	11	2	Matrices & Determinants	13
3	Geometrical optics	21	3	Fundamental of Mathematics	19	3	Straight Line	16
4	Electrostatics	24	4	Relation, Function and ITF	20	4	Circle	10
5	Gravitation	5	5	Limit Continuity & Derivability	16	5	Conic Section	23
6	Current Electricity	12	6	Application of Derivatives	22	6	Permutation & Combination	15
7	Capacitance	10	7	Indefinite Integration	9	7	Probability	9
8	Center of Mass	14	8	Definite Integration & Its Application	20	8	Vector and 3-D	22
9	RBD	20	9	Differential Equation	8	9	Solution of Triangle	5
10	Magnetic field and Magnetic effect of current	12	10	Complex number	15	10	Statistics	3
11	EMI	10				11	Mathematical Reasoning	3
12	AC	6						
13	String Waves	6						
14	Sound Waves	9						
15	Wave Optics	6						
Total Teaching Hours		174	Total Teaching Hours		150	Total Teaching Hours		130
PHYSICS [P]			CHEMISTRY [C]					
TRACK - 2			ORGANIC		PHYSICAL/ INORGANIC			
S. No	Topic Name/Sequence	No. of Teaching Hours	S. No	Topic Name/Sequence	No. of Teaching Hours	S. No	Topic Name/Sequence	No. of Teaching Hours
1	Kinematics (Rectilinear + Projectile + Relative)	18	1	IUPAC Nomenclature & Structural Isomerism	7	1	Solution & colligative properties	10
2	NLM	11	2	Structural Identification & POC	4	2	Atomic Structure	6
3	Friction	5	3	Stereoisomerism	14	3	Mole Concept	10
4	Work Power & Energy	13	4	GOC - I & II	18	4	Periodic Table	5
5	Circular Motion	8	5	ORM - I	9	5	Real gas	7
6	Modern Physics	10	6	ORM - II	9	6	Chemical bonding	17
7	Nuclear Physics	7	7	Reduction, Oxidation & Hydrolysis	6	7	Chemical Equilibrium	8
8	SHM	8	8	ORM - III	6	8	Coordination Chemistry	11
9	Fluid Mechanics	6	9	ORM - IV	6	9	Electrochemistry	12
10	Elasticity and Viscosity	3	10	Preparation of Hydrocarbons	1	10	Metallurgy	7
11	Surface Tension	3	11	Aromatic Compounds	6	11	Qualitative Analysis (Anion)	5
12	Heat Transfer	5	12	Carbonyl Compounds & Acid Derivatives	8	12	Chemical Kinetics	12
13	Semiconductor	3	13	Biomolecules	6	13	Nitrogen & Oxygen	5
14	EMW	2	14	Polymer	2	14	Solid State	8
15	POC	2	15	Physical properties & Chemistry in everyday life	3	15	Halogen & Inert gas	4
16	Error in measurement	2				16	Equivalent concept	7
						17	d - Block	4
						18	Thermodynamics	16
						19	Qualitative Analysis (Cation)	5
						20	Ionic Equilibrium	10
						21	s - Block	3
						22	Boron & Carbon	3
Total Teaching Hours		106	Total Teaching Hours		105	Total Teaching Hours		175

Note: Some changes may be done to the course planner according to the actual exam date and schedule of JEE (Main) and JEE (Advanced) 2021.

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