

Course Curriculum Class XII | 1 Year Program

Medium: Eng./Hin. | Academic Session 2021-22

Course Start: 08.02.21 | Syllabus End: 01.01.22

Target: JEE (Main+Advanced) 2022

Total Academic Hours

Course Duration: 44 Weeks

Total Number of Lectures: 780 (P: 253 | C: 266 | M: 261)

Duration of one lecture: 1.5 hrs = 90 minutes

Total Duration of Classroom Teaching: 1170 hrs

Total Duration of Testing Hours: 87 hrs Total Academic Hours in Course: 1257 hrs

Subject Wise Syllabus Plan

	PHYSICS [P]				CHEMISTRY [C]				MATHEMATICS (M)			
S. No.	Topic Name/Sequence	No of Lectures	Starting Date	S. No.	Topic Name/Sequence	No of Lectures	Starting Date	S. No.	Topic Name/Sequence	No of Lectures	Starting Date	
1	Mathematical Tools	6	08-02-2021		PHYSICAL/ INORI	GANIC	IC		Fundamentals of Mathematics-I	11	08-02-2021	
2	Rectilinear Motion	5	15-02-2021	1	Mole Concept	9	08-02-2021	2	Quadratic Equation	10	20-02-2021	
3	Projectile Motion	5	20-02-2021	2	Atomic Structure	10	23-02-2021					
4	Relative Motion	5	26-02-2021	3	Gaseous State-1 Gaseous State-2	6	11-03-2021 24-03-2021	3	Trigonometry	12	04-03-2021	
5	NLM	6	06-03-2021	5	RIN	3	29-03-2021	4	Sequence & Series	6	18-03-2021	
6	Friction	5	15-03-2021	6	Periodic Table	4	05-04-2021	5	Fundamentals of Mathematics-II	10	05-04-2021	
7	Work, Power & Energy	7	22-03-2021	7	Chemical Bonding-1, 2, 3, 4 & 5	16	12-04-2021	6	Binomial Theorem	9	16-04-2021	
8	Circular Motion	8	05-04-2021	8	Chemical Equilibrium	7	10-05-2021			_		
9	Centre of Mass	10	14-04-2021	9	Thermodynamics & Thermochem. Ionic Equilibrium (Elementary)	12 7	20-05-2021	7	Permutation & Combination	12	27-04-2021	
10	Rigid Body Dynamics	12	26-04-2021	11	Ionic Equilibrium (Advanced)	5	23-06-2021	8	Straight Line	14	11-05-2021	
11	Simple Harmonic Motion	8	11-05-2021	12	s-Block	4	05-07-2021	9	Mathematical Reasoning	4	27-05-2021	
12	Geometrical Optics	22	22-05-2021	13	p-Block (13-14 groups)	4	12-07-2021	40		44		
13	Electrostatics	24	21-06-2021	14	Solution & Colligative Properties	9	19-07-2021	10	Circle	11	01-06-2021	
14	Gravitation	5	19-07-2021	15	Coordination compound Solid State	12 9	03-08-2021 24-08-2021	11	Solution of Triangle	6	14-06-2021	
15	Current Electricity	12	24-07-2021	17	Electrochemistry	12	08-09-2021	12	Conic Section	18	21-06-2021	
16	Capacitance	10	07-08-2021	18	Metallurgy	5	29-09-2021	13	Statistics	3	12-07-2021	
17	EMF	14	19-08-2021	19	"Qualitative Analysis(Only anion)"	5	07-10-2021		010110110			
18	EMI	11	04-09-2021	20	Nitrogen Oxygen family Equivalent concept & titrations	8	18-10-2021	14	Mathematical Induction	1	15-07-2021	
19	Alternating Current	5	17-09-2021	22	Halogen and nable gas	4	18-11-2021	15	Relation & Functions	17	16-07-2021	
20	Modern Physics-I	10	23-09-2021	23	Chemical Kinetics	9	25-11-2021	16	Probability	10	05-08-2021	
21	Nuclear Physics	6	05-10-2021	24	Surface chemistry	4	13-12-2021				00 00 202	
22	Semiconductor	6	12-10-2021	25	Qualitative Analysis (Only Cation)	5	20-12-2021	17	Limits, Continuity & Derivability	13	17-08-2021	
23	POC	3	19-10-2021	26	d-Block	3	28-12-2021	18	Method of Differentiation	5	01-09-2021	
24	EMW	1	22-10-2021		ORGANIC	5		19	Application of Derivatives	14	07-09-2021	
25	Fluids	5	23-10-2021	1	IUPAC Nomenclature Structural Isomerism	2	08-02-2021 23-02-2021	20	Matrices & Determinant	12	23-09-2021	
26	Surface Tension	2	12-11-2021	3	Structural Identification & POC	3	02-03-2021		THE TOTAL OF THE T		20 00 EGE	
27	Elastisity and viscosity	2	15-11-2021	4	GOC-I & II	11	15-03-2021	21	Vector & 3-D	17	07-10-2021	
28	String waves	6	17-11-2021	5	Stereoisomerism	13	04-05-2021	22	Binary Operation	1	30-10-2021	
29	Sound Waves	6	24-11-2021	6	Dadustics Deidetics & Underbeit	18	21-06-2021	23	Indefinite Integration	8	15-11-2021	
30	Wave Optics	7	01-12-2021	8	Reduction, Oxidation & Hydrolysis ORM-III & IV	11	23-08-2021 06-09-2021			-		
31	Unit & Dimension	1	09-12-2021	9	Aromatic Compound	6	18-10-2021	24	Definite Integratin & Its Application	13	24-11-2021	
32	Measurement Error & Experiments	3	10-12-2021	10	Carbonyl Compopunds,	7	16-11-2021	25	Differential Equation	9	09-12-2021	
33	KTG & Thermodynamics	7	14-12-2021		Carboxylic Acid & Acid Derivatives	· '		26	Complex Number	11	20-12-2021	
34	Calorimetry & Thermal Expansion	3	22-12-2021	11	Biomolecules & Polymer Chemistry in Everyday Life	4	13-12-2021 27-12-2021	27		4	27-12-2021	
35	Heat Transfer	5	25-12-2021	13	Physical Properties, POC-II	1	28-12-2021	21	Linear Programming	4	27-12-202	
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	Total No. of Lectures	253			Total No. of Lectures	266			Total No. of Lectures	261		

Note: The test schedule and other details will be provided once you opt for the program.

