



COURSE PLANNER

CLASS-XII+ | VISHESH (02JD)

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

Course Start: 03.05.2021 | Syllabus End: 01.01.2022

Target: JEE (Main+Advanced) 2022

TOTAL ACADEMIC HOURS

- ◆ Course Duration: 35 Weeks
- ◆ Total Number of Lectures: 567 (P: 182 | C: 203 | M: 182)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 851 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 66 hrs
- ◆ Total Academic Hours in VISHESH Course: 917 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	Rectilinear motion	4	03-May-21	1	Mole Concept	6	03-May-21	1	Fundamentals of Mathematics	13	03-May-21
2	Projectile motion	3	07-May-21	2	Quantum Mechanical Model of atom	3	12-May-21	2	Quadratic Equation	8	20-May-21
3	Relative motion	6	12-May-21	3	Periodic Table	3	18-May-21	3	Relation, Function & ITF	15	31-May-21
4	Geometrical Optics	18	20-May-21	4	Real Gases	3	24-May-21	4	Statistics	2	17-Jun-21
5	Newton's laws of motion	7	14-Jun-21	5	Chemical Bonding-1	3	27-May-21	5	Sequence & Series	5	19-Jun-21
6	Friction	4	22-Jun-21	6	Chemical Bonding-2	3	02-Jun-21	6	Matrices & Determinant	9	25-Jun-21
7	Work, Power, Energy	6	26-Jun-21	7	Chemical Bonding-3	2	08-Jun-21	7	Straight Line	10	06-Jul-21
8	Electrostatics	16	03-Jul-21	8	Chemical Bonding-4	1	10-Jun-21	8	Circle	7	17-Jul-21
9	Gravitation	4	22-Jul-21	9	Chemical Bonding-4 + 5	1	14-Jun-21	9	Limits, Continuity & Derivability	11	26-Jul-21
10	Current electricity	8	27-Jul-21	10	Chemical Bonding-5	2	15-Jun-21	10	Application of Derivatives	13	07-Aug-21
11	Capacitance	8	05-Aug-21	11	Chemical Equilibrium	6	17-Jun-21	11	Solution of Triangle	4	23-Aug-21
12	Circular motion	5	14-Aug-21	12	"Ionic Equilibrium(Elementary)"	6	29-Jun-21	12	Conic Section	15	27-Aug-21
13	Centre of mass	7	23-Aug-21	13	Coordination compounds	8	08-Jul-21	13	Indefinite Integration	6	17-Sep-21
14	Rigid body dynamics	11	01-Sep-21	14	Electrochemistry	8	22-Jul-21	14	Definite Integration & Its Application	12	27-Sep-21
15	Simple Harmonic motion	7	16-Sep-21	15	Metallurgy	3	05-Aug-21	15	Differential Equation	5	13-Oct-21
16	String wave	5	27-Sep-21	16	p-Block(N & O)	6	11-Aug-21	16	Mathematical Reasoning	3	20-Oct-21
17	Sound wave	6	04-Oct-21	17	Chemical Kinetics	7	23-Aug-21	17	Vector & 3-D	13	25-Oct-21
18	Wave Optics	3	12-Oct-21	18	p-Block(Halogen & Noble gases)	3	07-Sep-21	18	Complex Number	10	20-Nov-21
19	EM Wave (1)	1	15-Oct-21	19	Solution & Colligative Properties	8	14-Sep-21	19	Binomial Theorem	6	02-Dec-21
20	Semiconductor	3	18-Oct-21	20	Surface Chemistry	3	04-Oct-21	20	Permutation & Combination	9	09-Dec-21
21	POC	2	20-Oct-21	21	Solid State	6	11-Oct-21	21	Probability	6	20-Dec-21
22	EMF	6	25-Oct-21	22	s-Block	3	25-Oct-21				
23	EMI	6	12-Nov-21	23	Thermodynamics & Thermochem.	9	11-Nov-21				
24	Alternating current	3	19-Nov-21	24	p-Block Elements (B&C Family)	3	25-Nov-21				
25	Modern Physics-I	5	23-Nov-21	25	Qualitative Analysis-I	5	01-Dec-21				
26	Nuclear Physics	4	29-Nov-21	26	Equivalent Concept	2	09-Dec-21				
27	Fluid Mechanics	4	03-Dec-21	27	d&f-Block Element	3	14-Dec-21				
28	Surface Tension	3	08-Dec-21	28	Qualitative Analysis-II	4	20-Dec-21				
29	Elasticity and viscosity	1	11-Dec-21	29	Ionic Equilibrium (Advance)	4	27-Dec-21				
30	KTG and thermodynamics	6	13-Dec-21								
31	Calorimetry & Thermal Expansion	3	20-Dec-21								
32	Heat transfer	3	23-Dec-21								
33	Buffer	4									
Total No. of Lectures		182		Total No. of Lectures		203		Total No. of Lectures		182	

*Timings of Counseling Session for Individual Batch will be announced via time table.

DPP Distribution Schedule

Date	Week	Module	Date	Week	Module	Date	Week	Module
Monday, 3 May, 2021	W-1	A	Friday, 25 June, 2021	W-8	B	Monday, 20 Sept., 2021	W-21	C

RESONANCE EDUVENTURES LTD.

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PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.	Periodic Test Type and No.	Test Pattern	Periodic Test Date	Uploading of Result on Resonance Website	Periodic Test Syllabus			Testing Hours	
					Physics	Chemistry			Mathematics
						Physical/ Inorganic	Organic		
1	APT-1	JEE (Adv.)	30-05-2021 (Sunday)	09-06-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion	Mole concept, QMM, Periodic Table	IUPAC Nomenclature & Structural isomerism	Except: Irrational Inequalities and Graphical transformations	6
2	MCT-1	JEE (Main)	20-06-2021 (Sunday)	30-06-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics	Mole concept, QMM, Periodic Table & Real Gas, Chemical Bonding-1 to 4 (upto Chemical Bonding-4)	IUPAC Nomenclature & Structural isomerism; Structural Identification & PCOC, GOC-I (upto Hyperconjugation & their application B.L., stability of alkenes)	FOM, Quadratic Equation	3
3	ACT-1	JEE (Adv.)	11-07-2021 (Sunday)	21-07-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, N.M, Friction, WPE	Mole concept, QMM, Periodic Table & Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (upto Salt hydrolysis (WA+SB, SA+WB, WA+WB))	IUPAC Nomenclature & Structural isomerism, Structural Identification & PCOC, GOC-I, GOC-II (upto Acidic Strength of organic compounds)	FOM, Quadratic Equation, Relation function, Sequence and Series, Matrices and Determinant.	6
4	APT-2	JEE (Adv.)	08-08-2021 (Sunday)	18-08-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of Motion, Friction, WPE, Electrostatics (upto coulomb's law)	Ionic Equilibrium (Elementary), Coordination Compounds, Electrochemistry	GOC-II, Stereoisomerism (Main), ORM-I (upto HCN & GR addition)	Ionic Equilibrium (Elementary), Coordination Compounds, Electrochemistry	6
5	MCT-3	JEE (Main)	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion	Mole Concept, QMM, Periodic Table & Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination Compounds, Electrochemistry, Metallurgy, p-block Elements (15 & 16)	GOC-I & GOC-II, Stereoisomerism (Main), ORM-I, ORM-II (upto Friedel Craft)	FOM, Quadratic Equation, Relation function IFF, Statistics, Sequence and Series, Matrices & Determinant, Straight Line, Circle, LCD, ADD (upto Monotonicity about a point)	3
6	ACT-3	JEE (Adv.)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, GD, NUM, Friction, WPE, Electrostatics, Gravitation, DC, Capacitance, Circular Motion, QMM, RBD (upto Angular momentum about a point and about an axis)	Mole Concept, QMM, Periodic Table & Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination Compounds, Electrochemistry, Metallurgy, p-block Elements (15 & 18), Chemical Kinetics	GOC-I & GOC-II, Stereoisomerism (Main), ORM-I & II	FOM, Quadratic Equation, Relation function IFF, Sequence and Series, Matrices & Determinant, Straight Line, Circle, LCD, ADD, SOT, Conic Section (tangent Normal)	6
7	APT-4	JEE (Adv.)	10-10-2021 (Sunday)	20-10-2021 (Wednesday)	Capacitance, Circular Motion, QMM, RBD, SHM, Spring wave	Electrochemistry, Metallurgy, p-block Elements (15 & 18), Chemical Kinetics, Solution & Colligative Properties	ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III (upto SN2 & SN1)	ADD, SOT, Conic, Indefinite Integration	6
8	MCT-4	JEE (Main)	14-11-2021 (Sunday)	24-11-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current electricity, Capacitance, Circular Motion, QMM, RBD, SHM, Spring wave, Sound wave, Wave optics, EMI, Semiconductor, POC, EMF	Mole Concept, QMM, Periodic Table & Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination Compounds, Electrochemistry, Metallurgy, p-block Elements (15 & 18), Chemical Kinetics, Solution & Colligative Properties, Surface Chemistry, solid State, s-block Elements	IUPAC Nomenclature, Structural isomerism, Structure Identification & PCOC-I, GOC-I & II, Stereoisomerism (Main), ORM-I to IV, Reduction, Oxidation & Hydrolysis	FOM, Quadratic Equation, Relation function IFF, Statistics, Sequence and Series, Matrices & Determinant, Straight Line, Circle, LCD, ADD, SOT, Conic Section, Indefinite Integration, Definite Integration and Its Application, Differential Equation, Mathematical Reasoning	3
9	APT-5	JEE (Adv.)	05-12-2021 (Sunday)	15-12-2021 (Wednesday)	Sound wave, Wave optics, EMF, EMI, AC, Modern Physics	Chemical Kinetics, Solution & Colligative Properties, Surface Chemistry, solid State, s-block Elements, Thermodynamics & Thermochemistry, p-Block Elements (BC Family)	Aromatic Compound, Hydrocarbon, Carbonyl compounds, Carbonyl compounds (upto Condensation reaction)	Definite Integration and Its Application, Differential Equation, Vector and 3D, Complex Number (upto Cube root of unity)	6
10	MMT	JEE (Main)	26-12-2021 (Sunday)	05-01-2022 (Wednesday)	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	3
11	MMT	JEE (Main)	02-01-2022 (Sunday)	12-01-2022 (Wednesday)	XII Syllabus	XII Syllabus	XII Syllabus	XII Syllabus	3
12	MMT	JEE (Main)	05-01-2022 (Wednesday)	12-01-2022 (Wednesday)	XI & XII Syllabus	XI & XII Syllabus	XI & XII Syllabus	XI & XII Syllabus	3
13	AIDT	JEE (Adv.)	06-02-2022 (Sunday)	16-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
14	MT	JEE (Main)	09-02-2022 (Wednesday)	16-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
15	AIDT	JEE (Main)	13-02-2022 (Sunday)	23-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3

Note: 1. Students are advised to refer their notice board for test timings | 2. Their will be no classes on the preceding Saturday before every Pts/ Cts (except BPTs).
3. Student can submit their request to Result Section for re-evaluation in two working days after first display of result.

TOTAL TESTING HOURS

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