

COURSE PLANNER

CLASS-XII+ | VISHESH (05JD /06JD /07JD)

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

Course Start: 28.06.2021 | Syllabus End: 05.03.2022

Target: JEE (Main+Advanced) 2022



TOTAL ACADEMIC HOURS

Course Duration: 36 Weeks

Total No. of Lectures: 586 (P: 195 | C: 196 | M: 195)

Duration of one lecture: 1.5 hrs = 90 minutes

Total Duration of Classroom Teaching: 879 hrs

Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AOT): 60 hrs

Total Academic Hours in VISHESH Course: 939 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	28-Jun-21	PHYSICAL/ INORGANIC				1	Fundamentals of Mathematics	12	28-Jun-21
2	Projectile motion	3	02-Jul-21	1	Mole Concept	6	28-Jun-21	2	Quadratic Equation	6	13-Jul-21
3	Relative motion	6	06-Jul-21	2	Quantum Mech. model of atom	3	07-Jul-21	3	Relation, Function & ITF	15	21-Jul-21
4	Geometrical Optics	17	14-Jul-21	3	Periodic Table	3	14-Jul-21	4	Statistics	3	11-Aug-21
5	Newton's laws of motion	6	06-Aug-21	4	Real Gases	4	21-Jul-21	5	Sequence & Series	5	16-Aug-21
6	Friction	3	16-Aug-21	5	Chemical Bonding-1	3	02-Aug-21	6	Matrices & Determinant	10	23-Aug-21
7	Work, Power, Energy	5	19-Aug-21	6	Chemical Bonding-2	3	09-Aug-21	7	Straight Line	10	06-Sep-21
8	Electrostatics	14	26-Aug-21	7	Chemical Bonding-3	2	16-Aug-21	8	Circle	9	20-Sep-21
9	Gravitation	3	15-Sep-21	8	Chemical Bonding-4	1	18-Aug-21	9	Limits, Continuity & Derivability	12	01-Oct-21
10	Current electricity	8	20-Sep-21	9	Chemical Bonding-4 + 5	1	23-Aug-21	10	Application of Derivatives	14	15-Oct-21
11	Capacitance	8	30-Sep-21	10	Chemical Bonding-5	2	24-Aug-21	11	Solution of Triangle	6	11-Nov-21
12	Circular motion	6	09-Oct-21	11	Chemical Equilibrium	5	30-Aug-21	12	Conic Section	15	18-Nov-21
13	Centre of mass	8	16-Oct-21	12	Ionic Equilibrium (Elementary)	5	08-Sep-21	13	Indefinite Integration	8	06-Dec-21
14	Rigid body dynamics	14	26-Oct-21	13	Coordination compounds	9	20-Sep-21	14	Definite Integration & Its App.	12	15-Dec-21
15	Simple Harmonic motion	7	22-Nov-21	14	Electrochemistry	9	11-Oct-21	15	Differential Equation	6	29-Dec-21
16	String wave	6	30-Nov-21	15	Metallurgy	3	11-Nov-21	16	Mathematical Reasoning	3	05-Jan-22
17	Sound wave	7	07-Dec-21	16	p-Block(N & O)	5	16-Nov-21	17	Vector & 3-D	14	08-Jan-22
18	Wave Optics	4	15-Dec-21	17	Chemical Kinetics	7	24-Nov-21	18	Complex Number	11	25-Jan-22
19	EM Wave (1)	1	20-Dec-21	18	p-Block(Halogen & Noble gases)	3	07-Dec-21	19	Binomial Theorem	6	07-Feb-22
20	Semiconductor	3	21-Dec-21	19	Solution & Colligative Properties	8	13-Dec-21	20	Permutation & Combination	9	14-Feb-22
21	POC	2	24-Dec-21	20	Surface Chemistry	3	27-Dec-21	21	Probability	9	24-Feb-22
22	EMF	8	27-Dec-21	21	Solid State	6	30-Dec-21				
23	EMI	7	05-Jan-22	22	s-Block	3	11-Jan-22				
24	Alternating current	5	13-Jan-22	23	Thermodynamics & Thermochem.	8	17-Jan-22				
25	Modern Physics-I	6	19-Jan-22	24	p-Block Elements (B&C Family)	3	31-Jan-22				
26	Nuclear Physics	6	26-Jan-22	25	Qualitative Analysis-I	4	03-Feb-22				
27	Fluid Mechanics	5	02-Feb-22	26	Equivalent Concept	2	10-Feb-22				
28	Surface Tension	3	08-Feb-22	27	d&f-Block Element	3	15-Feb-22				
29	Elasticity and viscosity	3	11-Feb-22	28	Qualitative Analysis-II	4	21-Feb-22				
30	KTG and thermodynamics	8	15-Feb-22	29	Ionic Equilibrium (Advance)	4	28-Feb-22				
31	Calorimetry and thermal expansion	4	24-Feb-22	ORGANIC							
32	Heat transfer	5	01-Mar-22	1	IUPAC Nomenclature	4	28-Jun-21				
Total No. of Lectures				Total No. of Lectures				Total No. of Lectures			
195				196				195			

DPP Distribution Schedule

Date	Week	Module	Date	Week	Module
Monday, 28 June, 2021	W-1	A	Monday, 8 November, 2021	W-20	B

RESONANCE EDUVENTURES LTD.

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.	Periodic Test Type and No.	Test Pattern	Periodic Test Date	Uploading of Result on Resonance Website	Physics		Periodic Test Syllabus		Mathematics	Testing Hours
					Physics	Chemistry	Physical/ Inorganic	Organic		
1	APT-1	JEE (Adv.)	25-07-2021 (Sunday)	04-08-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion.	Mole Concept, Quantum Mechanical model of atom (QMM), Real Gases, Chemical Bonding-I	IUPAC Nomenclature & Structural isomerism, Structural Identification & POC-I	Fundamental of Mathematics: Quadratic Equation, Function (Up to composite function)	6	
2	MCT-1	JEE (Main)	15-08-2021 (Sunday)	25-08-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics (Up to Refraction at spherical surface)	Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium (Up to Homogeneous equilibrium, Kc in gaseous system)	IUPAC Nomenclature & Structural isomerism, Structural Identification & POC-I, GOC-I, GOC-II (Up to Carbanions)	FOM, Quadratic Equation, Relation function (Up to Sequence and Series)	3	
3	ACT-1	JEE (Adv.)	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative Motion, Geometrical Optics, Newtons laws of motion, Friction	Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium (Up to Homogeneous equilibrium, Kc in gaseous system)	POC-I, GOC-I, GOC-II	Quadratic Equation, Relation Function (Up to Sequence and Series, Matrices and Determinant)	6	
4	APT-2	JEE (Adv.)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics (Up to E, F and electric flux)	Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry (Up to Applications of electrolysis)	IUPAC Nomenclature & Structural isomerism, Structural Identification & POC-I, GOC-I, GOC-II, Stereoisomerism (Mains)	FOM, Quadratic Equation, Relation function (Up to Sequence and Series, Matrices & Determinant, Straight Line, Circle)	6	
5	MCT-2	JEE (Main)	10-10-2021 (Sunday)	20-10-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current Electricity, Capacitance (Up to Charging & Discharging of capacitor)	Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry (Up to Relative lowering of vapour pressure)	IUPAC Nomenclature & Structural isomerism, Struct. Identification & POC-I, GOC-I & II, Stereoisomerism (Mains)	FOM, Quadratic Equation, Relation function (Up to Sequence and Series, Matrices & Determinant, Straight Line, Circle, LCD, ADD)	3	
6	ACT-2	JEE (Adv.)	21-11-2021 (Sunday)	01-12-2021 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, CE, Capacitance, Circular Motion, CDM, RBD (Up to Angular Momentum conservation about fixed axis)	Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, Metallurgy, p-Block (N & O)	IUPAC Nomenclature & Structural isomerism, Struct. Identification & POC-I, GOC-I & II, Stereoisomerism (Mains) & opt. ratio, Friedel craft Alkylation	Straight Line, Circle, LCD, ADD, SOT, Conic Section	6	
7	APT-3	JEE (Adv.)	12-12-2021 (Sunday)	22-12-2021 (Wednesday)	Electrostatics, Gravitation, Current Electricity, Capacitance, Circular Motion, Centre of mass, RBD, SHM, String wave.	Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, Metallurgy, p-Block (N & O), Chemical Kinetics, p-Block (Halogen & Noble gases), Solution & Colligative Properties & Noble gases)	IUPAC Nomenclature & Structural isomerism, Struct. Identification & POC-I, GOC-I & II, Stereoisomerism (Mains) & Hydrolysis, ORN-II (Up to Nucleophilic Substitution Reaction SN2 & SN1)	FOM, Quadratic Equation, Relation function (Up to Sequence and Series, Matrices & Determinant, Straight Line, Circle, LCD, ADD, SOT, Conic Section Indefinite Integration, Definite Integration (Up to properties)	6	
8	MCT-3	JEE (Main)	02-01-2022 (Sunday)	12-01-2022 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current Electricity, Capacitance, Circular Motion, Centre of mass, RBD, SHM, String wave, Sound wave, Wave Optics, EMW, Semiconductor, POC.	XI Syllabus	XI Syllabus	XI Syllabus	3	
9	ACT-3	JEE (Adv.)	23-01-2022 (Sunday)	02-02-2022 (Wednesday)	Mathematical Tools, Rectilinear motion, Projectile Motion, Relative motion, Geometrical Optics, Newtons laws of motion, Friction, WPE, Electrostatics, Gravitation, Current Electricity, Capacitance, Circular Motion, Centre of mass, RBD, SHM, String wave, Sound wave, Wave Optics, EMW, Semiconductor, POC, EMF, EM, AC	XI & XII Syllabus	XI & XII Syllabus	XI & XII Syllabus	6	
10	APT-4	JEE (Adv.)	13-02-2022 (Wednesday)	23-02-2022 (Wednesday)	Sound wave, Wave Optics, EMW, Semiconductor, POC, EMF, EM, AC, Modern Physics, Nuclear Physics, Fluid Mechanics	Full Syllabus	Full Syllabus	Full Syllabus	6	
11	MT	JEE (Main)	13-03-2022 (Sunday)	23-03-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3	
12	MT	JEE (Adv.)	20-03-2022 (Wednesday)	23-03-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6	
TOTAL TESTING HOURS									60	

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 PTe/ CTe (except BTEs).
3. Student can submit their request to Result Section for re-evaluation in two working days after first display of result.