

COURSE PLANNER

CLASS-XII+ | VISHESH (04JD)

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

Course Start: 14.06.2021 | Syllabus End: 30.01.2022

Target: JEE (Main+Advanced) 2022



TOTAL ACADEMIC HOURS

Course Duration: 33 Weeks

Total No. of Lectures: 458 (P: 142 | C: 173 | M: 143)

Duration of one lecture: 1.5 hrs = 90 minutes

Total Duration of Classroom Teaching: 687 hrs

Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AOT): 54 hrs

Total Academic Hours in VISHESH Course: 741 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
				PHYSICAL/ INORGANIC							
1	Rectilinear motion	4	14-Jun-21	1	Mole Concept	5	14-Jun-21	1	Fundamentals of Mathematics	12	14-Jun-21
2	Projectile motion	3	18-Jun-21	2	Quantum Mechanical model of atom	2	22-Jun-21	2	Quadratic Equation	6	28-Jun-21
3	Relative motion	6	22-Jun-21	3	Periodic Table	2	24-Jun-21	3	Relation, Function & ITF	14	05-Jul-21
4	Geometrical Optics	20	29-Jun-21	4	Real Gases	3	29-Jun-21	4	Statistics	3	21-Jul-21
5	Newton's laws of motion	7	22-Jul-21	5	Chemical Bonding-1	3	05-Jul-21	5	Sequence & Series	8	24-Jul-21
6	Friction	3	30-Jul-21	6	Chemical Bonding-2	3	08-Jul-21	6	Matrices & Determinant	11	03-Aug-21
7	Work, Power, Energy	5	03-Aug-21	7	Chemical Bonding-3	2	14-Jul-21	7	Straight Line	10	16-Aug-21
8	Electrostatics	16	09-Aug-21	8	Chemical Bonding-4	1	19-Jul-21	8	Circle	8	27-Aug-21
9	Gravitation	3	27-Aug-21	9	Chemical Bonding-4 + 5	1	20-Jul-21	9	Limits, Continuity & Derivability	12	06-Sep-21
10	Current electricity	7	31-Aug-21	10	Chemical Bonding-5	2	21-Jul-21	10	Application of Derivatives	13	20-Sep-21
11	Capacitance	7	08-Sep-21	11	Chemical Equilibrium	6	27-Jul-21	11	Solution of Triangle	5	05-Oct-21
12	Circular motion	6	16-Sep-21	12	Ionic Equilibrium (Elementary)	6	10-Aug-21	12	Conic Section	18	11-Oct-21
13	Centre of mass	7	23-Sep-21	13	Coordination compounds	8	19-Aug-21	13	Indefinite Integration	7	11-Nov-21
14	Rigid body dynamics	11	01-Oct-21	14	Electrochemistry	10	02-Sep-21	14	Definite Integration & Its App.	11	19-Nov-21
15	Simple Harmonic motion	7	14-Oct-21	15	Metallurgy	3	21-Sep-21	15	Differential Equation	6	02-Dec-21
16	String wave	5	22-Oct-21	16	p-Block(N & O)	4	27-Sep-21	16	Mathematical Reasoning	3	09-Dec-21
17	Sound wave	6	28-Oct-21	17	Chemical Kinetics	7	04-Oct-21	17	Vector & 3-D	13	13-Dec-21
18	Wave Optics	3	15-Nov-21	18	p-Block(Halogen & Noble gases)	3	14-Oct-21	18	Complex Number	10	28-Dec-21
19	EM Wave (1)	1	18-Nov-21	19	Solution & Colligative Properties	8	20-Oct-21	19	Binomial Theorem	5	08-Jan-22
20	Semiconductor	3	19-Nov-21	20	Surface Chemistry	3	15-Nov-21	20	Permutation & Combination	8	14-Jan-22
21	POC	2	23-Nov-21	21	Solid State	6	18-Nov-21	21	Probability	6	24-Jan-22
22	EMF	7	25-Nov-21	22	s-Block	3	30-Nov-21				
23	EMI	6	03-Dec-21	23	Thermodynamics & Thermochem.	8	06-Dec-21				
24	Alternating current	5	10-Dec-21	24	p-Block Elements (B&C Family)	3	20-Dec-21				
25	Modern Physics-I	5	16-Dec-21	25	Qualitative Analysis-I	4	23-Dec-21				
26	Nuclear Physics	6	22-Dec-21	26	Equivalent Concept	2	03-Jan-22				
27	Fluid Mechanics	4	29-Dec-21	27	d&f-Block Element	2	05-Jan-22				
28	Surface Tension	3	03-Jan-22	28	Qualitative Analysis-II	4	11-Jan-22				
29	Elasticity and viscosity	3	06-Jan-22	29	Ionic Equilibrium (Advance)	4	19-Jan-22				
30	KTG and thermodynamics	8	10-Jan-22	ORGANIC							
31	Calorimetry and thermal expansion	4	19-Jan-22	1	IUPAC Nomenclature	4	14-Jun-21				
32	Heat transfer	6	24-Jan-22	2	Structural isomerism	1	28-Jun-21				
Total No. of Lectures		189	Total No. of Lectures		189	Total No. of Lectures		189			

DPP Distribution Schedule

Date	Week	Module	Date	Week	Module
Monday, 14 June, 2021	W-1	A	Monday, 25 October, 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	MCT-1	JEE (Main)	18-07-2021 (Sunday)	28-07-2021 (Wednesday)	Rectilinear motion, Projectile motion, Relative motion, G.O. (Up to Refraction at spherical surface)	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)	3	
2	ACT-1	JEE (Adv.)	08-08-2021 (Sunday)	18-08-2021 (Wednesday)	Rectilinear motion, Projectile motion, Relative motion, G.O., NIM, Friction	Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium (upto Homogeneous equilibrium, Kc in gaseous system)	IUPAC Nomenclature & Structural isomerism, Structural Identification & POC-I, GOC-I, GOC-II (upto Carbanions)	FOM, Quadratic Equation, Relation function (IF, Sequence and Series)	6	
3	APT-2	JEE (Adv.)	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	G.O., NIM, Friction, Work, Power, energy, Electrostatics (upto Gauss law and its applications)	Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium (upto Homogeneous equilibrium, Kc in gaseous system)	POC-I, GOC-I, GOC-II	Quadratic Equation, Relation Function (IF, Sequence and Series, Matrices and Determinant)	6	
4	MCT-2	JEE (Main)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Rectilinear motion, Projectile motion, Relative motion, G.O., NIM, Friction, Work, Power, energy, Electrostatics, Gravitation, Current Electricity	Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry (upto Applications of electrolysis)	IUPAC Nomenclature & Structural isomerism, Structural Identification & POC-I, GOC-I, GOC-II, Stereoisomerism (Mains)	FOM, Quadratic Equation, Relation function (IF, Statistics, Sequence and Series, Matrices & Determinant, Straight Line, Circle	3	
5	ACT-2	JEE (Adv.)	10-10-2021 (Sunday)	20-10-2021 (Wednesday)	Rectilinear motion, Projectile motion, Relative motion, G.O., NIM, Friction, Work, Power, energy, Electrostatics, Gravitation, Current Electricity, Capacitance, Circular motion, Centre of mass	Mole Concept, Quantum Mechanical model of atom (QMM), Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry (upto Applications of electrolysis)	IUPAC Nomenclature & Structural isomerism, Struct. Identification & POC-I, GOC-I, GOC-II, Stereoisomerism (Mains)	FOM, Quadratic Equation, Relation function (IF, Sequence and Series, Matrices & Determinant, Straight Line, Circle, LCD, ADD	6	
6	APT-3	JEE (Adv.)	14-11-2021 (Sunday)	24-11-2021 (Wednesday)	Electrostatics, Gravitation, Current Electricity, Capacitance, Circular motion, Centre of mass, Rigid body dynamics, SHM, Spring waves	Ionic Equilibrium (Elementary), Coordination compounds, Electrochemistry, Metallurgy, p-Block(N & D) (upto Relative lowering of vapour pressure)	IUPAC Nomenclature & Structural isomerism, Struct. Identification & POC-I, GOC-I & II, Stereoisomerism (Mains)	Straight Line, Circle, LCD, ADD, SOT, Comic Section	6	
7	MCT-3	JEE (Main)	05-12-2021 (Sunday)	15-12-2021 (Wednesday)	Rectilinear motion, Projectile motion, Relative motion, G.O., NIM, Friction, Work, Power, energy, Electrostatics, Gravitation, Current Electricity, Capacitance, Circular motion, Centre of mass, Rigid body dynamics, SHM, Spring waves, Sound wave, Wave optics, EMW, Semiconductor, POC	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 & D), Chemical Kinetics, p-Block(Halogen & Noble gases), Solution & Colligative Properties & Noble gases, Surface Chemistry, Solid State (upto Cap structure, Radius ratio rule)	IUPAC Nomenclature & Structural isomerism, Struct. Identification & POC-I, GOC-I & II, Stereoisomerism (Mains), ORM-I, ORM-II (Reduction, Oxidation & Hydrolysis (upto Nucleophilic Substitution, Reaction SN2 & SN1)	FOM, Quadratic Equation, Relation function (IF, Sequence and Series, Matrices & Determinant, Straight Line, Circle, LCD, ADD, SOT, Comic Section (Indefinite integration, Definite integration (Up to properties)	3	
8	MINT	JEE (Main)	26-12-2021 (Sunday)	05-01-2022 (Wednesday)	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	3	
9	MINT	JEE (Main)	02-01-2022 (Sunday)	12-01-2022 (Wednesday)	XII Syllabus	XII Syllabus	XII Syllabus	XII Syllabus	3	
10	MINT	JEE (Main)	05-01-2022 (Wednesday)	12-01-2022 (Wednesday)	XI & XII Syllabus	XI & XII Syllabus	XI & XII Syllabus	XI & XII Syllabus	3	
11	AIDT	JEE (Adv.)	06-02-2022 (Sunday)	16-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6	
12	MT	JEE (Main)	09-02-2022 (Wednesday)	16-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3	
13	AIDT	JEE (Main)	13-02-2022 (Wednesday)	23-02-2022 (Wednesday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3	
TOTAL TESTING HOURS									54	

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