



COURSE PLANNER

CLASS-XII | VISHWAAS (05JF)

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

Course Start: 03.05.2021 | Syllabus End: 31.12.2021

Target: JEE (Main+Advanced) 2022

TOTAL ACADEMIC HOURS

- ♦ Course Duration: 34 Weeks
- ♦ Total Number of Lectures: 552 (P:183 | C: 184 | M: 185)
- ♦ Duration of one lecture: 1.5 hrs = 90 minutes
- ♦ Total Duration of Classroom Teaching: 828 hrs
- ♦ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 48 hrs
- ♦ Total Academic Hours in VISHWAAS Course: 876 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	8	03-May-21	PHYSICAL/ INORGANIC				1	Fundamentals of Mathematics	03-May-21	12
2	Geometrical optics	20	13-May-21	1	Mole Concept & Gaseous state	6	03-May-21	2	Quadratic Equation	18-May-21	5
3	Electrostatics	17	07-Jun-21	2	Solid State	6	13-May-21	3	Relation, Function & ITF	24-May-21	14
4	Gravitation	3	30-Jun-21	3	Solution & Colligative Properties	8	25-May-21	4	Limits, Continuity & Derivability	10-Jun-21	12
5	Current Electricity	10	03-Jul-21	4	Atomic Structure, Quantum Num.	3	09-Jun-21	5	Method of Differentiation	28-Jun-21	3
6	Capacitance	7	15-Jul-21	5	Periodic Table & Properties	2	16-Jun-21	6	Straight Line + SOT	01-Jul-21	10
7	EMF	9	23-Jul-21	6	BIN	1	22-Jun-21	7	Circle	13-Jul-21	6
8	EMI	9	03-Aug-21	7	Periodic Table & Properties & BIN	1	23-Jun-21	8	Application of Derivatives	20-Jul-21	13
9	Alternating Current	4	13-Aug-21	8	Chemical Bonding	8	28-Jun-21	9	Indefinite Integration	04-Aug-21	7
10	Modern Physics-I	5	18-Aug-21	9	Coordination Compounds	9	14-Jul-21	10	Definite Integration & Its App.	12-Aug-21	13
11	Nuclear Physics	5	25-Aug-21	10	Chemical Kinetics & Radioactivity	7	04-Aug-21	11	Sequence & Series	28-Aug-21	5
12	Wave Optics	5	31-Aug-21	11	Surface Chemistry	2	23-Aug-21	12	Statistics	03-Sep-21	2
13	Electromagnetic Waves	1	06-Sep-21	12	Chemical Equilibrium	4	25-Aug-21	13	Differential Equation	06-Sep-21	6
14	Semiconductors	4	07-Sep-21	13	Electrochemistry	10	06-Sep-21	14	Matrices & Determinant	13-Sep-21	11
15	Principle of communication	2	11-Sep-21	14	Metallurgy	3	23-Sep-21	15	Vector & 3-D	27-Sep-21	15
16	Rectilinear Motion	4	14-Sep-21	15	Ionic Equilibrium	6	29-Sep-21	16	Mathematical Reasoning	21-Oct-21	3
17	Projectile Motion	2	20-Sep-21	16	p-block Elements (N & O Gases)	4	18-Oct-21	17	Linear Programming	25-Oct-21	2
18	Relative Motion	3	22-Sep-21	17	p-block Elements (H & N Gases)	2	25-Oct-21	18	Binary Operation	27-Oct-21	1
19	NLM & Friction	6	25-Sep-21	18	Real Gases	4	27-Oct-21	19	Binomial Theorem	28-Oct-21	5
20	Work, Power & Energy	5	02-Oct-21	19	Thermodynamics & Thermochem.	8	15-Nov-21	20	Permutation & Combination	13-Nov-21	8
21	Circular Motion	5	08-Oct-21	20	Equivalent Concept	3	30-Nov-21	21	Probability	24-Nov-21	7
22	Centre of Mass	9	14-Oct-21	21	p-block Elements (B & C Family)	4	06-Dec-21	22	Complex Number	02-Dec-21	9
23	Rigid Body Dynamics	7	25-Oct-21	22	Qualitative Analysis	4	13-Dec-21	23	Conic Section	13-Dec-21	16
24	Simple Harmonic Motion	6	16-Nov-21	23	s-Block elements	2	21-Dec-21				
25	String Waves	5	23-Nov-21	24	d & f-Block elements	3	23-Dec-21				
26	Sound Waves	5	29-Nov-21	ORGANIC							
27	Fluids	4	04-Dec-21	1	IUPAC Nomenclature	5	03-May-21				
28	Calorimetry & Thermal Expansion	3	09-Dec-21	2	Structural Isomerism	1	18-May-21				
29	KTG & Thermodynamics	5	13-Dec-21	3	Structural Identification & POC	2	24-May-21				
30	Heat Transfer	2	20-Dec-21	4	GOC-I	6	31-May-21				
31	Elasticity & Viscosity	1	22-Dec-21	5	GOC-II	8	21-Jun-21				
32	Surface Tension	2	23-Dec-21	6	Mains Stereoisomerism	4	12-Jul-21				
				7	ORM-I	6	20-Jul-21				
				8	ORM-II	6	03-Aug-21				
				9	Reduction, Oxidation & Hydrolysis	1	17-Aug-21				
				10	ORM-III	6	23-Aug-21				
				11	ORM-IV	5	06-Sep-21				
				12	Aromatic Compound	5	21-Sep-21				
				13	Carbonyl Compounds	6	18-Oct-21				
				14	Carboxylic Acid & Acid Derivatives	2	16-Nov-21				
				15	Biomolecules & Polymers	5	23-Nov-21				
				16	Org. React. involving Stereochem.	2	13-Dec-21				
				17	Chem. in Everyday Life, Phy. prop. & POC-II	1	20-Dec-21				
				18	Physical properties & POC-II	3	21-Dec-21				
	Total No. of Lectures	183			Total No. of Lectures	184			Total No. of Lectures	185	

DPP Distribution Schedule

Date	Week	Module	Date	Week	Module
Monday, 3 May, 2021	W-1	A	Monday, 06 September, 2021	W-19	B

RESONANCE EDUVENTURES LTD.

Registered & Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Rajasthan) - 324005 | Tel. No.: 0744-2777777, 2777700 | CIN: U80302RJ2007PLC024029

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

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	Mathematics		
1	APT-1	JEE (Adv.)	30-05-2021 (Sunday)	09-06-2021 (Wednesday)	Mathematical Tools & Geometrical Optics upto prism. Electrostatics upto Electric Field.	Mole Concept & Gaseous State, Solid State upto Simple cubic structure, BCC and FCC structure)	IUPAC Nomenclature, Structural Isomerism	FOM, Quadratic Equation	6
2	MCT-1	JEE (Main)	20-06-2021 (Sunday)	30-06-2021 (Wednesday)	Mathematical Tools, Geometrical Optics, Electrostatics, Gravitation, Current electricity upto symmetrical circuit.	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties	IUPAC Nomenclature, Structural Identification & POC, GOC-I (Mesomeric effect)	FOM, Set, Quadratic Equation, Relation, Function & IIF	3
3	APT-2	JEE (Adv.)	11-07-2021 (Sunday)	21-07-2021 (Wednesday)	Mathematical Tools, Geometrical Optics, Electrostatics, Gravitation, Current electricity upto symmetrical circuit.	Solid state, Solution & Colligative Properties, Atomic Structure, Quantum Number, Periodic Table, BIN, Chemical Bonding (upto VSEPR and Hybridisation)	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC, GOC-I, GOC-II (upto intermediate)	Function & IIF, Limits, Continuity & Derivability, MOD	6
4	MCT-2	JEE (Main)	25-07-2021 (Sunday)	04-08-2021 (Wednesday)	Mathematical Tools, Geometrical Optics, Electrostatics, Gravitation, Current electricity, Capacitance.	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties, Atomic Structure, Quantum Number, Periodic Table, BIN, Chemical Bonding	GOC-I, GOC-II, Mains Stereoisomerism (Complete)	FOM, Set, Quadratic Equation, Relation, Function & IIF, Limits, Continuity & Derivability, MOD, Straight Line + SOT, Circle	3
5	ACT-1	JEE (Adv.)	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	Mathematical Tools, Geometrical Optics, Electrostatics, Gravitation, Current electricity, Capacitance, EMF, EMI upto self inductance.	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties, Atomic Structure, Quantum Number, Periodic Table, BIN, Chemical Bonding, Coordination Compounds	GOC-I, GOC-II, Mains Stereoisomerism, ORM-I	FOM, Quadratic Equation, Function & IIF, Limits, Continuity & Derivability, MOD, Straight Line + SOT, Circle, ADD, Indefinite Integration	6
6	APT-3	JEE (Adv.)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current Electricity, Capacitance, EMF, EMI & AC, Modern Physics & Nuclear Physics.	Chemical Bonding, Coordination Compounds, Chemical Kinetics & Radioactivity, Surface Chemistry, Chemical Equilibrium, Electrochemistry (upto Concentration cell)	Paper-1 according to 07, JF & Paper-2 : ORM-I, ORM-II, Reduction & Hydrolysis & ORM-III	Circle, ADD, Indefinite Integration, Definite Integration & Its Application, Sequence & Series, Differential Equation	6
7	ACT-2	JEE (Adv.)	17-10-2021 (Sunday)	27-10-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current Electricity, Capacitance, EMF, EMI & AC, Modern Physics, Nuclear Physics, Wave Optics, Electromagnetic Waves, Semiconductors, Rectilinear Motion, Projectile Motion, Relative Motion.	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties, Atomic Structure, Quantum Number, Periodic Table, BIN, Chemical Bonding, Coordination Compounds, Chemical Kinetics & Radioactivity, Chemical Equilibrium, Electrochemistry, Metallurgy, Ionic Equilibrium upto Acid base theory, Dissociation of water, pH scale)	Paper-1 according to 07, JF & Paper-2 : GOC-I, GOC-II, Mains Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III & ORM-IV	FOM, Quadratic Equation, Function & IIF, Limits, Continuity & Derivability, MOD, Straight Line + SOT, Circle, ADD, Indefinite Integration, Definite Integration & Its Application, Sequence & Series, Differential Equation, Matrices & Determinant	6
8	MCT-3	JEE (Main)	21-11-2021 (Sunday)	01-12-2021 (Wednesday)	EMI, AC, Modern Physics, Nuclear Physics, Wave Optics, Semiconductor, POC, Electromagnetic Waves, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD.	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties, Atomic Structure, Quantum Number, Periodic Table, BIN, Chemical Bonding, Coordination Compounds, Chemical Kinetics & Radioactivity, Chemical Equilibrium, Electrochemistry, Metallurgy, Ionic Equilibrium, p-block (15 to 18) & Real Gases	ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III, IV, Aromatic compounds, Carbonyl Compounds upto aldehy)	FOM, Set, Quadratic Equation, Relation, Function & IIF, Limits, Continuity & Derivability, MOD, Straight Line + SOT, Circle, ADD, Indefinite Integration & Its Application, Sequence & Series, Statistics, Differential Equation, Matrices & Determinant, Vector & 3-D, Mathematical Reasoning, Binomial Theorem	3
9	APT-4	JEE (Adv.)	19-12-2021 (Sunday)	29-12-2021 (Wednesday)	Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Fluid Mechanics, Calorimetry & Thermal Expansion, KTG & Thermodynamics.	Electrochemistry, Metallurgy, Ionic Equilibrium, p-block Elements (15 to 18 groups), Real Gases & Thermodynamics & thermochemistry, Equivalent concept, p-block Elements (B & C Family)	ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III & IV, Aromatic compounds, Carbonyl Compounds, Carboxylic Acid, Acid Derivatives & Biomolecules	Matrices & Determinant, Vector & 3-D, Binomial Theorem, P & S.C, Probability, Complex Number	6
10	MIMT	JEE (Main)	26-12-2021 (Sunday)	29-12-2021 (Wednesday)		XI Syllabus	XI Syllabus	XI Syllabus	3
TOTAL TESTING HOURS								48	

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.