



COURSE PLANNER

CLASS-XII | VISHWAAS (04JF)

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

Course Start: 26.04.2021 | Syllabus End: 31.12.2021

Target: JEE (Main+Advanced) 2022

TOTAL ACADEMIC HOURS

- ♦ Course Duration: 35 Weeks
- ♦ Total Number of Lectures: 554 (P:185 | C: 184 | M: 185)
- ♦ Duration of one lecture: 1.5 hrs = 90 minutes
- ♦ Total Duration of Classroom Teaching: 831 hrs
- ♦ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 48 hrs
- ♦ Total Academic Hours in VISHWAAS Course: 879 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	26-Apr-21	PHYSICAL/ INORGANIC				1	Fundamentals of Mathematics	12	26-Apr-21
2	Geometrical optics	19	04-May-21	1	Mole Concept & Gaseous state	6	26-Apr-21	2	Quadratic Equation	6	12-May-21
3	Electrostatics	20	31-May-21	2	Solid State	6	05-May-21	3	Relation, Function & ITF	14	20-May-21
4	Gravitation	3	30-Jun-21	3	Solution & Colligative Properties	8	19-May-21	4	Limits, Continuity & Derivability	11	10-Jun-21
5	Current Electricity	10	03-Jul-21	4	Atomic Structure, Quantum Num.	3	09-Jun-21	5	Method of Differentiation	3	28-Jun-21
6	Capacitance	7	15-Jul-21	5	Periodic Table & Properties	2	21-Jun-21	6	Straight Line + SOT	10	01-Jul-21
7	EMF	9	23-Jul-21	6	BIN	1	23-Jun-21	7	Circle	6	13-Jul-21
8	EMI	9	03-Aug-21	7	Periodic Table & Properties & BIN	1	24-Jun-21	8	Application of Derivatives	13	20-Jul-21
9	Alternating Current	4	13-Aug-21	8	Chemical Bonding	8	28-Jun-21	9	Indefinite Integration	7	04-Aug-21
10	Modern Physics-I	5	18-Aug-21	9	Coordination Compounds	9	14-Jul-21	10	Definite Integration & Its App.	13	12-Aug-21
11	Nuclear Physics	5	25-Aug-21	10	Chemical Kinetics & Radioactivity	7	04-Aug-21	11	Sequence & Series	5	28-Aug-21
12	Wave Optics	5	31-Aug-21	11	Surface Chemistry	2	23-Aug-21	12	Statistics	2	03-Sep-21
13	Electromagnetic Waves	1	06-Sep-21	12	Chemical Equilibrium	4	25-Aug-21	13	Differential Equation	6	06-Sep-21
14	Semiconductors	4	07-Sep-21	13	Electrochemistry	10	06-Sep-21	14	Matrices & Determinant	11	13-Sep-21
15	Principle of communication	2	11-Sep-21	14	Metallurgy	3	23-Sep-21	15	Vector & 3-D	15	27-Sep-21
16	Rectilinear Motion	4	14-Sep-21	15	Ionic Equilibrium	6	29-Sep-21	16	Mathematical Reasoning	3	21-Oct-21
17	Projectile Motion	2	20-Sep-21	16	p-block Elements (N & O Gases)	4	18-Oct-21	17	Linear Programming	2	25-Oct-21
18	Relative Motion	3	22-Sep-21	17	p-block Elements (H & N Gases)	2	25-Oct-21	18	Binary Operation	1	27-Oct-21
19	NLM & Friction	6	25-Sep-21	18	Real Gases	4	27-Oct-21	19	Binomial Theorem	5	28-Oct-21
20	Work, Power & Energy	5	02-Oct-21	19	Thermodynamics & Thermochem.	8	15-Nov-21	20	Permutation & Combination	8	13-Nov-21
21	Circular Motion	5	08-Oct-21	20	Equivalent Concept	3	30-Nov-21	21	Probability	7	24-Nov-21
22	Centre of Mass	6	14-Oct-21	21	p-block Elements (B & C Family)	4	06-Dec-21	22	Complex Number	9	02-Dec-21
23	Rigid Body Dynamics	7	25-Oct-21	22	Qualitative Analysis	4	13-Dec-21	23	Conic Section	16	13-Dec-21
24	Simple Harmonic Motion	5	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	26-Apr-21				
28	Calorimetry & Thermal Expansion	3	09-Dec-21	2	Structural Isomerism	1	17-May-21				
29	KTG & Thermodynamics	5	13-Dec-21	3	Structural Identification & POC	2	18-May-21				
30	Heat Transfer	2	20-Dec-21	4	GOC-I	6	25-May-21				
31	Elasticity & Viscosity	1	22-Dec-21	5	GOC-II	8	15-Jun-21				
32	Surface Tension	2	23-Dec-21	6	Mains Stereoisomerism	4	12-Jul-21				
33	Surface Tension	2	23-Dec-21	7	ORM-I	6	20-Jul-21				
34	Buffer	4		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	Organ.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	185			Total No. of Lectures	184			Total No. of Lectures	185	

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

DPP Distribution Schedule

Date	Week	Module	Date	Week	Module
Monday, 26 April, 2021	W-1	A	Monday, 06 September, 2021	W-20	B

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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 & Geometrical Optics upto prism.	Mole Concept & Gaseous State, Solid State upto Simple cubic structure, BCC and FCC structure	IUPAC Nomenclature, Structural Isomerism	6	
2	MCT-1	JEE (Main)	20-06-2021 (Sunday)	30-06-2021 (Wednesday)	Mathematical Tools, Geometrical Optics, Electrostatics, Electrostatics upto Electric Field.	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties	IUPAC Nomenclature, Structural Isomerism & POC, GOC-I, GOC-II (upto Mesomeric effect)	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)	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)	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 induction.	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	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, Oxidation & Hydrolysis & ORM-III	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	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)	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 & 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	6	
10	MMT	JEE (Main)	26-12-2021 (Sunday)	29-12-2021 (Wednesday)		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.