



COURSE PLANNER

CLASS-XII | VISHWAAS (03JF)

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

Course Start: 19.04.2021 | Syllabus End: 31.12.2021

Target: JEE (Main+Advanced) 2022

TOTAL ACADEMIC HOURS

- ◆ Course Duration: 36 Weeks
- ◆ Total Number of Lectures: 572 (P:187 | C: 192 | M: 193)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 858 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 48 hrs
- ◆ Total Academic Hours in VISHWAAS Course: 906 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	4	19-Apr-21	PHYSICAL/ INORGANIC			1	Fundamentals of Mathematics	12	19-Apr-21	
2	Geometrical optics	20	23-Apr-21	1	Mole Concept & Gaseous state	7	19-Apr-21	2	Quadratic Equation	6	03-May-21
3	Electrostatics	21	17-May-21	2	Solid State	7	03-May-21	3	Relation, Function & ITF	15	10-May-21
4	Gravitation	3	14-Jun-21	3	Solution & Colligative Properties	8	17-May-21	4	Limits, Continuity & Derivability	14	27-May-21
5	Current Electricity	10	17-Jun-21	4	Atomic Structure, Quantum Num.	4	31-May-21	5	Method of Differentiation	3	14-Jun-21
6	Capacitance	7	01-Jul-21	5	Periodic Table & Properties	2	07-Jun-21	6	Straight Line + SOT	10	17-Jun-21
7	EMF	10	12-Jul-21	6	BIN	1	09-Jun-21	7	Circle	5	01-Jul-21
8	EMI	10	23-Jul-21	7	Periodic Table & Properties & BIN	1	10-Jun-21	8	Application of Derivatives	14	08-Jul-21
9	Alternating Current	4	06-Aug-21	8	Chemical Bonding	8	14-Jun-21	9	Indefinite Integration	8	27-Jul-21
10	Modern Physics-I	5	11-Aug-21	9	Coordination Compounds	9	06-Jul-21	10	Definite Integration & Its App.	16	06-Aug-21
11	Nuclear Physics	5	19-Aug-21	10	Chemical Kinetics & Radioactivity	8	27-Jul-21	11	Sequence & Series	5	26-Aug-21
12	Wave Optics	5	28-Aug-21	11	Surface Chemistry	2	23-Aug-21	12	Statistics	2	01-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	6	19-Apr-21				
28	Calorimetry & Thermal Expansion	3	09-Dec-21	2	Structural Isomerism	2	04-May-21				
29	KTG & Thermodynamics	5	13-Dec-21	3	Structural Identification & POC	3	11-May-21				
30	Heat Transfer	2	20-Dec-21	4	GOC-I	7	18-May-21				
31	Elasticity & Viscosity	1	22-Dec-21	5	GOC-II	7	14-Jun-21				
32	Surface Tension	2	23-Dec-21	6	Mains Stereoisomerism	4	30-Jun-21				
33	Buffer	6		7	ORM-I	6	13-Jul-21				
				8	ORM-II	7	28-Jul-21				
				9	Reduction, Oxidation & Hydrolysis	1	16-Aug-21				
				10	ORM-III	6	17-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	187			Total No. of Lectures	192			Total No. of Lectures	193	

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

DPP Distribution Schedule

Date	Week	Module	Date	Week	Module
Monday, 19 April, 2021	W-1	A	Monday, 06 September, 2021	W-21	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.)	16-05-2021 (Sunday)	26-05-2021 (Wednesday)	Mathematical Tools, Geometrical Optics Complete.	Mole Concept & Gaseous State, Solid State (upto Vacids)	IUPAC Nomenclature, Structural Isomerism	FOM, Quadratic Equation	6
2	MCT-1	JEE (Main)	30-05-2021 (Sunday)	09-06-2021 (Wednesday)	Mathematical Tools, Geometrical Optics, Electrostatics upto Electric field intensity Complete.	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties (upto RVP, DTB & DTB)	MCT-1 & BPT-1 : IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC, GOC-I (Inductive Effect & condition of Resonance)	FOM, Set, Quadratic Equation, Relation, Function & IIF Board Syllabus : Relation, Function & IIF	3
3	APT-2	JEE (Adv.)	04-07-2021 (Sunday)	14-07-2021 (Wednesday)	Mathematical Tools, Geometrical Optics, Electrostatics, Current Electricity.	Solid state, Solution & Colligative Properties, Atomic Structure, Quantum Number, Periodic Table, BIN, Chemical Bonding (upto VSEPR and Hybridisation)	GOC-I & GOC-II (upto acidic strength)	Function & IIF, Limits, Continuity & Derivability, MOD, Straight Line + SOT	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, Coordination Compounds	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 & AC, 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, Oxidation & 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, NIM, 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 alds)	FOM, Set, Quadratic Equation, Relation, Function & IIF, Limits, Continuity & Derivability, MOD, Straight Line + SOT, Circle, ADD, Indefinite Integration, Definite 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, NIM, 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/ Dts (except BPTs).

3. Student can submit their request to Result Section for re-evaluation in two working days after first display of result.