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COURSE PLANNER

CLASS-XII | VISHWAAS (08JF)

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

Course Start: 24.05.2021 | Syllabus End: 31.12.2021

Target: JEE (Main+Advanced) 2022

TOTAL ACADEMIC HOURS

Course Duration: 32 Weeks

Total No. of Lectures: 512 (P: 171 | C: 170 | M: 171)

Duration of one lecture: 1.5 hrs = 90 minutes

Total Duration of Classroom Teaching: 768 hrs

Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 42 hrs

Total Academic Hours in VISHWAAS Course: 810 hrs

SUBJECT WISE SYLLABUS PLAN

PHYSICS [P]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	Mathematical Tools	6	24-May-21
2	Geometrical optics	18	01-Jun-21
3	Electrostatics	19	22-Jun-21
4	Gravitation	3	19-Jul-21
5	Current Electricity	10	22-Jul-21
6	Capacitance	7	03-Aug-21
7	EMF	10	11-Aug-21
8	EMI	9	24-Aug-21
9	Alternating Current	3	03-Sep-21
10	Modern Physics-I	5	07-Sep-21
11	Nuclear Physics	5	13-Sep-21
12	Wave Optics	5	18-Sep-21
13	Electromagnetic Waves	1	24-Sep-21
14	Semiconductors	3	25-Sep-21
15	Principle of communication	2	29-Sep-21
16	Rectilinear Motion	3	01-Oct-21
17	Projectile Motion	2	05-Oct-21
18	Relative Motion	2	12-Oct-21
19	NLM & Friction	5	14-Oct-21
20	Work, Power & Energy	4	20-Oct-21
21	Circular Motion	4	25-Oct-21
22	Centre of Mass	6	29-Oct-21
23	Rigid Body Dynamics	7	16-Nov-21
24	Simple Harmonic Motion	5	24-Nov-21
25	String Waves	5	30-Nov-21
26	Sound Waves	5	06-Dec-21
27	Fluids	4	11-Dec-21
28	Calorimetry & Thermal Expansion	3	16-Dec-21
29	KTG & Thermodynamics	5	20-Dec-21
30	Heat Transfer	2	25-Dec-21
31	Elasticity & Viscosity	1	28-Dec-21
32	Surface Tension	2	29-Dec-21
Total No. of Lectures		**171**	

CHEMISTRY [C]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
	PHYSICAL/ INORGANIC		
1	Mole Concept & Gaseous state	6	24-May-21
2	Solid State	6	03-Jun-21
3	Solution & Colligative Properties	8	15-Jun-21
4	Atomic Structure, Quantum No.	3	30-Jun-21
5	Periodic Table & Properties	2	07-Jul-21
6	BIN	1	13-Jul-21
7	Periodic Table & Properties & BIN	1	14-Jul-21
8	Chemical Bonding	7	19-Jul-21
9	Coordination Compounds	8	02-Aug-21
10	Chemical Kinetics & Radioactivity	7	16-Aug-21
11	Surface Chemistry	2	30-Aug-21
12	Chemical Equilibrium	4	01-Sep-21
13	Electrochemistry	9	08-Sep-21
14	Metallurgy	2	23-Sep-21
15	Ionic Equilibrium	5	28-Sep-21
16	p-block Elements (N & O Gases)	4	13-Oct-21
17	p-block Elements (H & N Gases)	2	25-Oct-21
18	Real Gases	3	27-Oct-21
19	Thermodynamics & Thermochem.	7	15-Nov-21
20	Equivalent Concept	2	30-Nov-21
21	p-block Elements (B & C Family)	3	06-Dec-21
22	Qualitative Analysis	4	13-Dec-21
23	s-Block elements	2	21-Dec-21
24	d & f-Block elements	2	27-Dec-21
	ORGANIC		
1	IUPAC Nomenclature	5	24-May-21
2	Structural Isomerism	1	08-Jun-21
3	Structural Identification & POC	2	14-Jun-21
4	GOC-I	6	21-Jun-21
5	GOC-II	6	12-Jul-21
6	Mains Stereoisomerism	4	02-Aug-21
7	ORM-I	6	16-Aug-21
8	ORM-II	6	06-Sep-21
9	Reduction, Oxidation & Hydrolysis	1	27-Sep-21
10	ORM-III	6	28-Sep-21
11	ORM-IV	4	18-Oct-21
12	Aromatic Compound	5	26-Oct-21
13	Carbonyl Compopunds	5	17-Nov-21
14	Carboxylic Acid & Acid Derivatives	1	30-Nov-21
15	Carbonyl Comp. & Carbox. Acid & Acid Derivat.	1	01-Dec-21
16	Biomolecules & Polymers	5	06-Dec-21
17	Org. React. involving Stereochem.	2	15-Dec-21
18	Chemical in Everyday Life, Physical properties & POC-II	1	21-Dec-21
19	Physical properties & POC-II	3	22-Dec-21
Total No. of Lectures		**170**	

MATHEMATICS [M]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	Fundamentals of Mathematics	12	24-May-21
2	Quadratic Equation	6	08-Jun-21
3	Relation, Function & ITF	13	15-Jun-21
4	Limits, Continuity & Derivability	12	01-Jul-21
5	Method of Differentiation	3	19-Jul-21
6	Straight Line + SOT	10	22-Jul-21
7	Circle	5	03-Aug-21
8	Application of Derivatives	13	09-Aug-21
9	Mathematical Reasoning	3	25-Aug-21
10	Indefinite Integration	7	28-Aug-21
11	Definite Integration & Its App.	11	06-Sep-21
12	Matrices & Determinant	10	18-Sep-21
13	Vector & 3-D	13	30-Sep-21
14	Sequence & Series	5	20-Oct-21
15	Statistics	2	26-Oct-21
16	Linear Programming	1	08-Nov-21
17	Binary Operation	1	09-Nov-21
18	Differential Equation	6	10-Nov-21
19	Binomial Theorem	5	17-Nov-21
20	Permutation & Combination	8	23-Nov-21
21	Probability	6	02-Dec-21
22	Complex Number	8	09-Dec-21
23	Conic Section	11	18-Dec-21
Total No. of Lectures		**171**	

DPP Distribution Schedule

Date	Week	Module	Date	Week	Module
Monday, 24 May, 2021	W-1	A	Monday, 27 September, 2021	W-19	B

RESONANCE EDUVENTURES LTD.

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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.)	20-06-2021 (Sunday)	30-06-2021 (Wednesday)	Mathematical Tools, Geometrical Optics	Mole Concept & Gaseous State, Solid State (upto BCC and FCC structure)	IUPAC Nomenclature, Structural Isomerism	FOM, Quadratic Equation	6
2	MCT-1	JEE (Main)	11-07-2021 (Sunday)	21-07-2021 (Wednesday)	Geometrical Optics, Electrostatics upto dipole.	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC, GOC-I (upto stability of RS)	FOM, Set, Quadratic Equation, Relation, Function & ITF	3
3	ACT-1	JEE (Adv.)	25-07-2021 (Sunday)	04-08-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current Electricity upto resistance	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties, Atomic Structure, Quantum Number, Periodic Table, BIN	Structural Isomerism, Structural Identification & POC, GOC-I & GOC-II (upto Carbocation)	FOM, Quadratic Equation, Function & ITF, Limits, Continuity & Derivability, MOD	6
4	MCT-2	JEE (Main)	29-08-2021 (Sunday)	08-09-2021 (Wednesday)	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 (upto CFT)	GOC-I, GOC-II, Mains Stereoisomerism, ORM-I (upto Leaving group ability, Solvent, Introduction to reaction mechanism & Reaction of acidic hydrogen)	FOM, Set, Quadratic Equation, Relation, Function & ITF, Continuity & Derivability, MOD, Straight Line + SOT, Circle	3
5	APT-2	JEE (Adv.)	19-09-2021 (Sunday)	29-09-2021 (Wednesday)	Geometrical Optics, Electrostatics, Gravitation, Current Electricity, Capacitance, EMF, EMI & AC, Modern Physics & Nuclear Physics.	Solution & Colligative Properties, Atomic Structure, Quantum Number, Periodic Table, BIN, Chemical Bonding, Coordination Compounds, Chemical Kinetics & Radioactivity, Surface Chemistry, Chemical Equilibrium	Structural Isomerism, Structural Identification & POC, GOC-I, GOC-II, Mains Stereoisomerism & ORM-I	Function & ITF, Limits, Continuity & Derivability, MOD, Straight Line + SOT, Circle, AOD, Indefinite Integration	6
6	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)	GOC-I, GOC-II, Mains Stereoisomerism, ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis, ORM-III (upto SN1 reactions)	FOM, Quadratic Equation, Function & ITF, Limits, Continuity & Derivability, MOD, Straight Line + SOT, Circle, AOD, Indefinite Integration, Definite Integration, Matrices & Determinant	6
7	MCT-3	JEE (Main)	21-11-2021 (Sunday)	01-12-2021 (Wednesday)	EMI & AC, Modern Physics, Nuclear Physics, Wave Optics, Electromagnetic Waves, Semiconductors, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction and WPE, Centre of Mass.	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 (upto Chemical reaction of phenol)	FOM, Set, Quadratic Equation, Relation, Function & ITF, Limits, Continuity & Derivability, MOD, Straight Line + SOT, Circle, AOD, Mathematical Reasoning, Indefinite Integration, Definite Integration, Matrices & Determinant, Vector & 3-D, Sequence & Series, Statistics, Differential Equation	3
8	APT-3	JEE (Adv.)	19-12-2021 (Sunday)	29-12-2021 (Wednesday)	EMI & AC, Modern Physics, Nuclear Physics, Wave Optics, Electromagnetic Waves, Semiconductors, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction and WPE, Circular Motion, Centre of Mass, RBD, SHM & Waves.	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 Compopunds, Carboxylic Acid, Acid Derivatives & Biomolecules	Matrices & Determinant, Vector & 3-D, Binomial Theorem, P & C, Probability, Complex Number	6
9	MMT	JEE (Main)	26-12-2021 (Sunday)	29-12-2021 (Wednesday)	XI Syllabus	XI Syllabus	XI Syllabus	XI Syllabus	3
								TOTAL TESTING HOURS	**42**

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.