



COURSE PLANNER

CLASS-XII | VISHWAAS (04JF)

Medium: Eng./Hin. Academic Session: 2019-20

Course Start: 22.04.2019 | Syllabus End: 28.12.2019[#]

Target: JEE (Main+Advanced) 2020

TOTAL ACADEMIC HOURS

- ◆ Course Duration: 36 Weeks
- ◆ Total Number of Lectures: 552 (P: 184 | C: 184 | M: 184)
- ◆ 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): 105 hrs
- ◆ Total Academic Hours in VISHWAAS Course: 933 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 Tool	6	22.04.19	PHYSICAL/ INORGANIC			1	Fundamental of Mathematics	12	22.04.19	
2	Geometrical Optics	19	30.04.19	1	Mole Concept & Gaseous State	6	22.04.19	2	Quadratic Equation	6	08.05.19
3	Electrostatics	20	27.05.19	2	Solid State	6	01.05.19	3	Relation, Function & ITF	14	16.05.19
4	Gravitation	3	26.06.19	3	Solution & Colligative Properties	8	15.05.19	4	Limit Continuity & Derivability	11	06.06.19
5	Current Electricity	10	29.06.19	4	Atomic Structure & Quantum No.	3	05.06.19	5	MOD	3	24.06.19
6	Capacitance	7	11.07.19	5	Periodic Table & Properties	2	17.06.19	6	Straight Line + SOT	10	27.06.19
7	EMF	9	19.07.19	6	BIN	1	19.06.19	7	Circle	6	09.07.19
8	EMI	9	30.07.19	7	Periodic Table, Properties & BIN	1	20.06.19	8	Application of Derivatives	13	16.07.19
9	Alternative Current	4	09.08.19	8	Chemical Bonding	8	24.06.19	9	Indefinite Integration	7	31.07.19
10	Modern Physics-1	5	14.08.19	9	Coordination Compound	9	10.07.19	10	Definite Integration & Its Application	13	08.08.19
11	Nuclear Physics	5	21.08.19	10	Chemical Kinetics & Radioactivity	7	31.07.19	11	Sequence & Series	5	24.08.19
12	Wave Optics	5	27.08.19	11	Surface Chemistry	2	19.08.19	12	Statistics	2	30.08.19
13	EMW	1	02.09.19	12	Chemical Equilibrium	4	21.08.19	13	Differential Equation	6	02.09.19
14	Semiconductor	4	03.09.19	13	Electrochemistry	10	02.09.19	14	Matrices & Determinants	11	09.09.19
15	POC	2	07.09.19	14	Metallurgy	3	21.09.19	15	Vector & 3D	15	23.09.19
16	Rectilinear Motion	4	10.09.19	15	Ionic Equilibrium	6	25.09.19	16	Mathematical Reasoning	3	17.09.19
17	Projectile Motion	2	16.09.19	16	p-block elements (N & O gases)	4	14.10.19	17	Linear Programming	2	21.10.19
18	Relative Motion	3	18.09.19	17	p-block elements (H & N gases)	2	21.10.19	18	Binary Operation	1	23.10.19
19	NLM & Friction	6	21.09.19	18	Real Gases	4	04.11.19	19	Binomial Theorem	5	04.11.19
20	WPE	5	28.09.19	19	Thermodynamics & Thermochemistry	8	11.11.19	20	Permutation & Combination	8	09.11.19
21	Circular Motion	5	10.10.19	20	Equivalent Concept	3	26.11.19	21	Probability	7	20.11.19
22	Center of Mass	6	17.10.19	21	p-block (B & C family)	4	02.12.19	22	Complex No.	9	28.11.19
23	RBD	7	04.11.19	22	Qualitative Analysis	4	09.12.19	23	Conic Section	15	09.12.19
24	SHM	5	12.11.19	23	s-block element	2	17.12.19				
25	String Waves	5	19.11.19	24	d & f block element	3	19.12.19				
26	Sound Waves	5	25.11.19	ORGANIC							
27	Fluid	4	30.11.19	1	IUPAC Nomenclature	5	22.04.19				
28	Calorimetry & Thermal Expansion	3	05.12.19	2	Structural Isomerism	1	13.05.19				
29	KTG & Thermodynamics	5	09.12.19	3	Structural Identification & POC	2	14.05.19				
30	Heat Transfer	2	16.12.19	4	GOC-I & II	14	21.05.19				
31	Elasticity & Viscosity	1	18.12.19	5	Stereoisomerism (Mains)	4	08.07.19				
32	Surface Tension	2	19.12.19	6	ORM-I & II	12	16.07.19				
33	NCERT Discussion	5		7	Reduction, Oxidation & Hydrolysis	1	13.08.19				
	Total No. of Lectures	184		8	ORM-III & IV	11	19.08.19				
				9	Aromatic Compound	5	17.09.19				
				10	Carbonyl Compound	6	14.10.19				
				11	Carboxylic Acid & Acid Derivatives	2	12.11.19				
				12	Biomolecules & Polymers	5	19.11.19				
				13	Organic Reaction Involving Stereochem.	2	09.12.19				
				14	Chemistry in Everyday Life	1	16.12.19				
				15	Physical Properties & POC-II	3	17.12.19				
					Total No. of Lectures	184			Total No. of Lectures	184	

***IMPORTANT:** Revision Plan (JEE-Advanced) will get distributed in second week of March 2020

DPP DISTRIBUTION & DISCUSSION SCHEDULE

S.No.	DATE	P/C/M
1	22 Apr to 01 Sep 19	Module-A
2	02 Sep to 28 Dec 19	Module-B

RESONANCE BOARD WORKSHEET (RBW) SCHEDULE

S.No.	PHYSICS	OC	PC	MATHS
1	27.05.2019	27.05.2019	20.05.2019	20.05.2019
2	17.06.2019	01.07.2019	01.07.2019	05.08.2019
3	22.07.2019	22.07.2019	29.07.2019	02.09.2019
4	19.08.2019	16.09.2019	30.09.2019	-
5	30.09.2019	11.11.2019	11.11.2019	-
6	11.11.2019	-	09.12.2019	-

COUNSELING SESSIONS SCHEDULE*

WEEK
13 - 18 May 2019
22 - 27 July 2019
14 - 19 October 2019

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

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	Periodic Test Syllabus			Testing Hours	
					Physics	Chemistry			
						Physical/ Inorganic	Organic		Mathematics
1	APT-1	JEE (Adv.)	26-05-19 (Sunday)	06-06-19 (Thursday)	Mathematical Tools & Geometrical Optics upto prism	Mole Concept & Gaseous State, Solid State (upto Simple cubic structure, FCC and BCC structure)	IUPAC Nomenclature, Structural Isomerism	FOM, Quadratic Equation	6
2	MCT-1 + BPT-1	JEE(Main) + Board	18-06-19 (Sunday)	27-06-19 (Thursday)	Mathematical tools, Geometrical Optics, Electrostatics upto Electric Field.	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties	IUPAC Nomenclature, Structural Isomerism, POC, GOC-I (Mesomeric effect)	FOM, Set, Quadratic Equation, Relation, Function & IFF, Board Syllabus : Relation, Function & IFF	6
3	APT-2	JEE (Adv.)	07-07-19 (Sunday)	18-07-19 (Thursday)	Mathematical Tools, Geometrical Optics, Electrostatics, Gravitation, Current electricity upto symmetrical circuit.	Solution & Colligative Properties, Atomic Structure, Quantum Number, Periodic Table, BIN, Chemical Bonding (upto VSEPR and Hybridisation)	IUPAC Nomenclature, Structural Isomerism, POC, GOC-I, GOC-II (upto intermediate)	Function & IFF, Limits, Continuity & Derivability, MOD	6
4	MCT-2 + BPT-2	JEE(Main) + Board	21-07-19 (Sunday)	01-08-19 (Thursday)	Mathematical Tools, Geometrical Optics, Electrostatics, Gravitation, Current electricity, Capacitance.	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties, Quantum Number, Periodic Bonding	GOC-I, GOC-II, Mains Stereoisomerism (Complete)	FOM, Set, Quadratic Equation, Relation, Function & IFF, Limits, Continuity & Derivability, MOD, Straight Line + SOT, Circle	6
5	ACT-1	JEE (Adv.)	11-08-19 (Sunday)	22-08-19 (Thursday)	Mathematical Tools, Geometrical Optics, Electrostatics, 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, Stereoisomerism, ORM-I	FOM, Quadratic Equation, Function & IFF, Limits, Continuity & Derivability, MOD, Straight Line + SOT, Circle, AOD, Indefinite Integration	6
6	APT-3	JEE (Adv.)	15-09-19 (Sunday)	26-09-19 (Thursday)	Geometrical Optics, Electrostatics, Gravitation, Current Electricity, Capacitance, EMF, EMI & AC, Modern Physics & Nuclear Physics.	Chemical Bonding, Coordination Compounds, Chemical Equilibrium, Electrochemistry (upto Concentration cell)	ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis & ORM-III	Circle, AOD, Indefinite Integration, Definite Integration & Its Application, Sequence & Series, Differential Equation	6
7	ACT-2	JEE (Adv.)	13-10-19 (Sunday)	24-10-19 (Thursday)	Geometrical Optics, Electrostatics, Gravitation, 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 No., Periodic Table, BIN, Chem. Bonding, Coordination Compounds, Chem. 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 & ORM-IV	FOM, Quadratic Equation, Function & IFF, Limits, Continuity & Derivability, MOD, Straight Line + SOT, Circle, AOD, Sequence & Series, Indefinite Integration, Definite Integration & Its Application, Differential Equation, Matrices & Determinant	6
8	MCT-3 + BPT-3	JEE(Main) + Board	17-11-19 (Sunday)	28-11-19 (Thursday)	EMI, AC, Modern & Nuclear Physics, Wave Optics, Semiconductor, POC, Electromagnetic Waves, Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, COM, RBD.	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties, Atomic Structure, Quantum No., Periodic Table, BIN, Chem. Bonding, Coordination Compounds, Chem. Kinetics & Radioactivity, Chem. Equilibrium, Electrochemistry, Metallurgy, Ionic Equilibrium, p-block (15 to 18) & Real Gases	ORM-I & II, Reduction, Oxidation & Hydrolysis, ORM-III, Aromatic compounds, Carbonyl Compounds upto aldo)	FOM, Set, Quad. Equ., Relation, Func. & IFF, Lmt. Cont. & Derivability, MOD, Str. Lin. + SOT, Circle, AOD, Indef. & Def. Integr. & Appl. Seq. & Ser. Stat., Diff. Equ., Mtr. & Detern., Vector & 3-D, Math. Reasoning, Binomial Theorem, BPT, Relation, Func. & IFF, Cont. & Derivability, MOD, AOD, Indef. & Def. Integr. & Its Appl., Diff. Equ., Mtr. & Detern., Vector & 3-D, Linear Prog., Binary Opr.	6
9	APT-4	JEE (Adv.)	15-12-19 (Thursday)	02-01-20 (Thursday)	Rectilinear Motion, Projectile Motion, Relative Motion, NLM, Friction, WPE, Circular Motion, COM, 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 & C, Probability, Complex Number	6
10	AMT-1	JEE (Adv.)	28-12-19 (Saturday)	02-01-20 (Thursday)	XII Syllabus	XII Syllabus	XI Syllabus	XI Syllabus	6
11	AIDT-1	JEE (MAIN)	29-12-19 (Sunday)	09-01-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
12	BPT-MT	BPT (Maths)	30-12-19 (Monday)	09-01-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
13	BPT-MT	BPT (Phy./Chem.)	01-01-20 (Wednesday)	10-01-20 (Friday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
14	MIMT-1	JEE (MAIN)	02-01-20 (Thursday)	10-02-20 (Friday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
15	AIDT-2	AIDT (MAIN)	16-02-20 (Sunday)	20-02-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
16	JPT-1	JEE (MAIN)	15-03-20 (Sunday)	19-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
17	JPT-2	JEE (MAIN)	22-03-20 (Sunday)	26-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
18	JPT-3	JEE (MAIN)	29-03-20 (Sunday)	02-04-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
19	JPT-1	JEE (ADV.)	26-04-20 (Sunday)	30-04-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
20	AIDT	JEE (ADV.)	03-05-20 (Sunday)	07-05-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
21	JPT-2	JEE (ADV.)	10-05-20 (Sunday)	14-05-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6

Date of Reshuffling of Batches: 23.06.2019, 01.09.2019

Note: 1. Students are advised to refer their notice board for test timings | 2. There 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.

TOTAL TESTING HOURS

105