Resonance®
Educating for better tomorrow

COURSE PLANNER

CLASS-XII | VISHWAAS (03JF)

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

Course Start: **15.04.2019** | Syllabus End: **28.12.2019**#

Target: JEE (Main+Advanced) 2020

TOTAL ACADEMIC HOURS

- **Course Duration:** 37 Weeks
- **Total Number of Lectures: 576** (P: 192 | C: 192 | M: 192)
- **Duration of one lecture:** 1.5 hrs = 90 minutes
- **Total Duration of Classroom Teaching:** 864 hrs
- **Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT):** 105 hrs
- **Total Academic Hours in VISHWAAS Course: 969** hrs

SUBJECT WISE SYLLABUS PLAN

PHYSICS [P]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	Mathematical Tool	4	15.04.19
2	Geometrical Optics	20	19.04.19
3	Electrostatistics	21	13.05.19
4	Gravitation	3	10.06.19
5	Current Electricity	10	13.06.19
6	Capacitance	7	17.06.19
7	EMF	10	08.07.19
8	EMI	10	19.07.19
9	Alternative Current	4	02.08.19
10	Modern Physics-1	5	07.08.19
11	Nuclear Physics	5	16.08.19
12	Wave Optics	5	24.08.19
13	EMW	1	02.09.19
14	Semiconducter	4	03.09.19
15	POC	2	07.09.19
16	Rectilinear Motion	4	10.09.19
17	Projectile Motion	2	16.09.19
18	Relative Motion	3	18.09.19
19	NLM & Friction	6	21.09.19
20	WPE	5	28.09.19
21	Circular Motion	5	10.10.19
22	Center of Mass	6	17.10.19
23	RBD	7	04.11.19
24	SHM	5	12.11.19
25	String Waves	5	19.11.19
26	Sound Waves	5	25.11.19
27	Fluid	4	30.11.19
28	Calorimetry & Thermal Expansion	3	05.12.19
29	KTG & Thermodynamics	5	09.12.19
30	Heat Transfer	2	16.12.19
31	Elasticity & Viscosity	1	18.12.19
32	Surface Tension	2	19.12.19
33	N CERT Discussion	11	
Total No. of Lectures		**192**	

CHEMISTRY [C]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
	PHYSICAL/ INORGANIC		
1	Mole Concept & Gaseous State	7	15.04.19
2	Solid State	7	29.04.19
3	Solution & Colligative Propeties	8	13.05.19
4	Atomic Structure & Quantum No.	4	27.05.19
5	Periodic Table & Properties	2	03.06.19
6	BIN	1	05.06.19
7	Periodic Table, Properties & BIN	1	06.06.19
8	Chemical Bonding	8	10.06.19
9	Coordination Compound	9	02.07.19
10	Chemical Kinetics & Radioactivity	8	23.07.19
11	Surface Chemistry	2	19.08.19
12	Chemical Equilibrium	4	21.08.19
13	Electrochemistry	10	02.09.19
14	Metallurgy	3	21.09.19
15	Ionic Equilibrium	6	25.09.19
16	p-block elements (N & O gases)	4	14.10.19
17	p-block elements (H & N gases)	2	21.10.19
18	Real Gases	4	04.11.19
19	Thermodynamics & Thermochemistry	8	11.11.19
20	Equivalent Concept	3	26.11.19
21	p-block (B & C family)	4	02.12.19
22	Qualitative Analysis	4	09.12.19
23	s-block element	2	17.12.19
24	d & f block element	3	19.12.19
	ORGANIC		
1	IUPAC Nomenclature	6	15.04.19
2	Structural Isomerism	2	30.04.19
3	Structural Identification & POC	3	07.05.19
4	GOC-I & II	14	14.05.19
5	Stereoisomerism (Mains)	4	26.06.19
6	ORM-I & II	13	09.07.19
7	Reduction, Oxidation & Hydrolysis	1	12.08.19
8	ORM-III & IV	11	13.08.19
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 Sterochem.	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		**192**	

MATHEMATICS [M]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	Fundamental of Mathematics	12	15.04.19
2	Quadratic Equation	6	29.04.19
3	Relation, Function & ITF	15	06.05.19
4	Limit Continuity & Derivability	15	23.05.19
5	MOD	3	10.06.19
6	Straight Line + SOT	10	13.06.19
7	Circle	5	27.06.19
8	Application of Derivatives	14	05.07.19
9	Indefinite Integration	8	23.07.19
10	Definite Integration & Its Application	14	02.08.19
11	Sequence & Series	5	22.08.19
12	Statistics	3	28.08.19
13	Differential Equation	6	02.09.19
14	Matrices & Determinants	11	09.09.19
15	Vector & 3D	15	23.09.19
16	Mathematical Reasoning	3	17.09.19
17	Linear Programing	2	21.10.19
18	Binary Operation	1	23.10.19
19	Binomial Theoram	5	04.11.19
20	Permutation & Combination	8	09.11.19
21	Probability	7	20.11.19
22	Complex No.	9	28.11.19
23	Conic Section	15	09.12.19
Total No. of Lectures		**192**	

#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	15 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	13.05.2019	27.05.2019	01.07.2019	29.04.2019
2	17.06.2019	01.07.2019	26.08.2019	20.05.2019
3	15.07.2019	22.07.2019	30.09.2019	10.06.2019
4	26.08.2019	16.09.2019	11.11.2019	01.07.2019
5	30.09.2019	11.11.2019	09.12.2019	05.08.2019
6	11.11.2019	-	-	02.09.2019

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.

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

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.)	12-05-19 (Sunday)	23-05-19 (Thursday)	Mathematical Tools, Geometrical Optics Complete.	Mole Concept & Gaseous State, Solid State (upto Voids)	IUPAC Nomenclature, Structural Isomerism	FOM, Quadratic Equation	6
2	MCT-1 + BPT-1	JEE(Main) +Board	26-05-19 (Sunday)	06-06-19 (Thursday)	Mathematical Tools, Geometrical Optics, Electrostatics upto Electric field intensity Complete.	Mole Concept & Gaseous State, Solid State, Solution & Colligative Properties (upto RLVP, DTb & DTb)	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC, GOC-I (Inductive Effect & condition of Resonance)	FOM, Set, Quadratic Equation, Relation, Function & ITF **BPT:** Relation, Function & ITF	6
3	APT-2	JEE (Adv.)	30-06-19 (Sunday)	11-07-19 (Thursday)	Mathematical Tools, Geometrical Optics, Electrostatics, Current Electricity.	Solution & Colligative Properties, Atomic Structure, Quantum Number, Periodic Table, BIN, Chemical Bonding (upto VSEPR and Hybridisation)	GOC-I & GOC-II (upto acidic strength)	Function & ITF, Limits, Continuity & Derivability, MOD, Straight Line + SOT	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, Atomic Structure, Quantum Number, Periodic Table, BIN, Chemical Bonding	GOC-I, GOC-II, Mains Stereoisomerism (Complete)	FOM, Set, Quadratic Equation, Relation, Function & ITF, Limits, Continuity & Derivability, MOD, Straight Line + SOT, Circle Board Syllabus : Relation, Function & ITF, Limits, Continuity & Derivability, MOD	6
5	ACT-1	JEE (Adv.)	11-08-19 (Sunday)	22-08-19 (Thursday)	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 & ITF, 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 Kinetics & Radioactivity, Surface Chemistry, 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, 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 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 & ITF, 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 Prop. Atomic Str., 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,IV, Aromatic compounds, Carbonyl Compopunds upto aldol)	FOM, Set, Quad. Equ., Relation, Func. & ITF, Lmt., Cont. & Derivability, MOD, Str Line + SOT, Circle, AOD, Indef. & Def. Integr. & Appl., Seq. & Ser., Stat., Diff. Equ., Mtr. & Detem., Vector & 3-D, Math. Reasoning, Binomial Theorem **BPT:** Relation, Func. & ITF, Cont. & Derivability, MOD, AOD, Indef. & Def. Integr. & Its Appl., Diff. Equ., Mtr. & Detem., 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	XII Syllabus	XII Syllabus	6
11	AIOT-1	JEE (MAIN)	29-12-19 (Sunday)	09-01-20 (Thursday)	Full Syallbus	Full Syallbus	Full Syallbus	Full Syallbus	3
12	BPT-MT	BPT (Maths)	30-12-19 (Monday)	09-01-20 (Thursday)				Full Syallbus	3
13	BPT-MT	BPT (Phy./ Chem.)	01-01-20 (Wednesday)	10-01-20 (Friday)	Full Syallbus	Full Syallbus	Full Syallbus		6
14	MMT-1	JEE (MAIN)	02-01-20 (Thursday)	10-02-20 (Friday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
15	AIOT-2	AIOT (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	AIOT	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
								TOTAL TESTING HOURS	**105**

Date of Reshuffling of Batches: 09.06.2019, 01.09.2019

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.