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COURSE PLANNER

CLASS-XII | VISHWAAS (07JF)

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

Course Start: **13.05.2019** | Syllabus End: **28.12.2019**#

Target: JEE (Main+Advanced) 2020

TOTAL ACADEMIC HOURS

- **Course Duration:** 33 Weeks
- **Total Number 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):** 99 hrs
- **Total Academic Hours in VISHWAAS Course: 867** hrs

SUBJECT WISE SYLLABUS PLAN

PHYSICS [P]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	Mathematical Tool	6	13.05.19
2	Geometrical Optics	18	21.05.19
3	Electrostatistics	19	14.06.19
4	Gravitation	3	15.07.19
5	Current Electricity	10	18.07.19
6	Capacitance	7	30.07.19
7	EMF	10	07.08.19
8	EMI	9	20.08.19
9	Alternative Current	3	30.08.19
10	Modern Physics-1	5	03.09.19
11	Nuclear Physics	5	09.09.19
12	Wave Optics	5	14.09.19
13	EMW	1	20.09.19
14	Semiconducter	3	21.09.19
15	POC	2	25.09.19
16	Rectilinear Motion	3	27.09.19
17	Projectile Motion	2	01.10.19
18	Relative Motion	2	08.10.19
19	NLM & Friction	5	10.10.19
20	WPE	4	16.10.19
21	Circular Motion	4	21.10.19
22	Center of Mass	6	05.11.19
23	RBD	7	12.11.19
24	SHM	5	20.11.19
25	String Waves	5	26.11.19
26	Sound Waves	5	02.12.19
27	Fluid	4	07.12.19
28	Calorimetry & Thermal Expansion	3	12.12.19
29	KTG & Thermodynamics	5	16.12.19
30	Heat Transfer	2	21.12.19
31	Elasticity & Viscosity	1	24.12.19
32	Surface Tension	2	25.12.19
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	13.05.19
2	Solid State	6	27.05.19
3	Solution & Colligative Propeties	8	10.06.19
4	Atomic Structure & Quantum No.	3	26.06.19
5	Periodic Table & Properties	2	03.07.19
6	BIN	1	09.07.19
7	Periodic Table, Properties & BIN	1	10.07.19
8	Chemical Bonding	8	15.06.19
9	Coordination Compound	8	29.07.19
10	Chemical Kinetics & Radioactivity	7	12.08.19
11	Surface Chemistry	2	26.08.19
12	Chemical Equilibrium	4	28.08.19
13	Electrochemistry	9	04.09.19
14	Metallurgy	2	19.09.19
15	Ionic Equilibrium	5	24.09.19
16	p-block elements (N & O gases)	4	09.10.19
17	p-block elements (H & N gases)	2	21.10.19
18	Real Gases	3	04.11.19
19	Thermodynamics & Thermochemistry	7	11.11.19
20	Equivalent Concept	2	26.11.19
21	p-block (B & C family)	3	02.12.19
22	Qualitative Analysis	4	09.12.19
23	s-block element	2	17.12.19
24	d & f block element	2	23.12.19
	ORGANIC		
1	IUPAC Nomenclature	5	13.05.19
2	Structural Isomerism	1	28.05.19
3	Structural Identification & POC	2	03.06.19
4	GOC-I & II	12	10.06.19
5	Stereoisomerism (Mains)	4	29.07.19
6	ORM-I & II	12	12.08.19
7	Reduction, Oxidation & Hydrolysis	1	23.09.19
8	ORM-III & IV	10	24.09.19
9	Aromatic Compound	5	04.11.19
10	Carbonyl Compound	5	13.11.19
11	Carboxylic Acid & Acid Derivatives	1	27.11.19
12	Biomolecules & Polymers	5	02.12.19
13	Organic Reaction Involving Sterochem.	2	11.12.19
14	Chemistry in Everyday Life	1	17.12.19
15	Physical Properties & POC-II	3	18.12.19
Total No. of Lectures		**170**	

MATHEMATICS [M]

S. No.	Topic Name/Sequence	No of Lectures	Starting Date
1	Fundamental of Mathematics	11	13.05.19
2	Quadratic Equation	6	28.05.19
3	Relation, Function & ITF	14	05.06.19
4	Limit Continuity & Derivability	12	26.06.19
5	MOD	3	15.07.19
6	Straight Line + SOT	10	18.07.19
7	Circle	5	30.07.19
8	Application of Derivatives	13	05.08.19
9	Mathematical Reasoning	3	21.08.19
10	Indefinite Integration	7	24.08.19
11	Definite Integration & Its Application	11	02.09.19
12	Matrices & Determinants	10	14.09.19
13	Vector & 3D	13	26.09.19
14	Sequence & Series	5	16.10.19
15	Statistics	2	22.10.19
16	Linear Programing	1	04.11.19
17	Binary Operation	1	05.11.19
18	Differential Equation	6	06.11.19
19	Binomial Theoram	5	13.11.19
20	Permutation & Combination	8	19.11.19
21	Probability	6	28.11.19
22	Complex No.	8	05.12.19
23	Conic Section	11	14.12.19
Total No. of Lectures		**171**	

#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	13 May 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	17.06.2019	18.11.2019	24.06.2019	24.06.2019
2	08.07.2019	02.12.2019	22.07.2019	05.08.2019
3	12.08.2019	-	12.08.2019	14.10.2019
4	02.09.2019	-	02.09.2019	-
5	23.02.2019	-	30.09.2019	-
6	18.11.2019	-	-	-

COUNSELING SESSIONS SCHEDULE*

WEEK
27 May - 01 June 2019
22 - 27 July 2019
14 - 19 October 2019

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

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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.)	16-06-19 (Sunday)	27-06-19 (Thursday)	Mathematical Tools, Geometrical Optics upto prism.	Mole Concept & Gaseous State, Solid State (upto BCC and FCC structure)	IUPAC Nomenclature, Structural Isomerism	FOM, Quadratic Equation	6
2	MCT-1 + BPT-1	JEE(Main) + Board	07-07-19 (Sunday)	18-07-19 (Thursday)	Geometrical Optics, Electrostatics upto potential energy.	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 BPT: Relation, Function & ITF	6
3	ACT-1	JEE (Adv.)	21-07-19 (Sunday)	01-08-19 (Thursday)	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 + BPT-2	JEE (Adv.)	11-08-19 (Sunday)	22-08-19 (Thursday)	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)	IUPAC Nomenclature, Structural Isomerism, Structural Identification & POC, GOC-I (upto stability of RS)	FOM, Set, Quadratic Equation, Relation, Function & ITF, Continuity & Derivability, MOD, Straight Line + SOT, Circle **BPT:** Relation, Function & ITF, Limits, Continuity & Derivability, MOD	6
5	APT-2	JEE (Adv.)	15-09-19 (Sunday)	26-09-19 (Thursday)	Geometrical Optics, Electrostatics, Gravitation, Current Electricity, Capacitance, EMF, EMI & AC, Modern Physics & Nuclear Physics.	Solution & Colligative Prop., Atomic Structure, Quantum No., Periodic Table, BIN, Chemical Bonding, Coordination Compounds, Chem. Kinetics & Radioactivity, Surface Chemistry, Chem. Equi.	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.)	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 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 + BPT-3	JEE(Main) + Board	17-11-19 (Sunday)	28-11-19 (Thursday)	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 **BPT:** Relation, Function & ITF, Continuity & Derivability, MOD, AOD, Indefinite Integration, Definite Integration, Matrices & Determinant, Vector & 3-D, LPP, Binary Operation, Differential Equation	6
8	APT-3	JEE (Adv.)	15-12-19 (Thursday)	02-01-20 (Thursday)	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	AMT-1	JEE (Adv.)	28-12-19 (Saturday)	02-01-20 (Thursday)	XII Syllabus	XII Syllabus	XII Syllabus	XII Syllabus	6
10	AIOT-1	JEE (MAIN)	29-12-19 (Sunday)	09-01-20 (Thursday)	Full Syallbus	Full Syallbus	Full Syallbus	Full Syallbus	3
11	BPT-MT	BPT (Maths)	30-12-19 (Monday)	09-01-20 (Thursday)				Full Syallbus	3
12	BPT-MT	BPT (Phy./ Chem.)	01-01-20 (Wednesday)	10-01-20 (Friday)	Full Syallbus	Full Syallbus	Full Syallbus		6
13	MMT-1	JEE (MAIN)	02-01-20 (Thursday)	10-02-20 (Friday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
14	AIOT-2	AIOT (MAIN)	16-02-20 (Sunday)	20-02-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
15	JPT-1	JEE (MAIN)	15-03-20 (Sunday)	19-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
16	JPT-2	JEE (MAIN)	22-03-20 (Sunday)	26-03-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
17	JPT-3	JEE (MAIN)	29-03-20 (Sunday)	02-04-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
18	JPT-1	JEE (ADV.)	26-04-20 (Sunday)	30-04-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
19	AIOT	JEE (ADV.)	03-05-20 (Sunday)	07-05-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
20	JPT-2	JEE (ADV.)	10-05-20 (Sunday)	14-05-20 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
								TOTAL TESTING HOURS	**99**

Date of Reshuffling of Batches: 14.07.2019

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.