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COURSE PLANNER FOR STUDENTS

CLASS-XIII | ABHYAAS (ED04)

Target: JEE (Main) 2020

Medium: English | Hindi

COURSE CONCEPT

This course offers one year preparation for XII pass student for JEE (Main). The syllabus will end in December to give extra edge to the student for January attempt. Then January to March revision program[#] will help him to enhance his result in JEE (Main) April attempt.

#Take shared later

Course Commencement: 06.05.2019 | Course Ends: 29.12.2019

Reshuffling Date: 23 June, 2019 & 01 September, 2019 (ED 01) Merge Date 01 September, 2019

RESONANCE TEACHING METHODOLOGY

Preparation for JEE (Main)

Classroom Teaching	MPT - Main Pattern Part Test
Daily Practice Problems (DPPs)	MCT - Main Pattern Cumulative Test
Study Material (Sheets/Modules)	Doubt Classes

TEACHING/ LEARNING TOOLS

- **Daily Practice Problems (DPPs):** A handout having problems for home assignment, practice and classroom discussion covering current and previous topics. Most of the DPPs contains upto 10 problems or more.
- **Study Material (Sheets/Modules):** Topic wise study material having key concepts, problems for practice in various Exercise Levels and questions asked in previous years (Board/ JEE (Main)/ JEE (Advanced) along with school exam material is provided.
- **Periodic Tests:** Periodic Tests are conducted having part syllabus (Part Tests - PTs) with many problems of seen nature and Tests comprising of the syllabus taught till date (Cumulative Tests - CTs) with unseen problems. Both PTs and CTs are conducted on the pattern of JEE (Main) in offline and online mode.

TOTAL ACADEMIC HOURS

- ◆ **Course Duration: 34 Weeks**
- ◆ **Total Number of Lectures: 546** (P: 178 | C: 190 | M: 178)
- ◆ **Duration of one lecture: 1 hr 45 Min. = 105 minutes**
- ◆ **Total Duration of Classroom Teaching: 955.5 hrs**
- ◆ **Total Duration of Testing Hours (MCTs/MPTs/MT/AIOT): 48 hrs**
- ◆ **Total Academic Hours in ABHYAAS Course: 1003.5 hrs**

Disclaimer:

- The Institute reserves the right to increase/decrease the number of lectures allotted to any topic and also make changes in the sequence of the topics of each subject depending upon the course requirements.
- This Course Planner in all respects is applicable only at Kota (Rajasthan). At other Resonance Study Centres, Students/Parents may find some 'minor' variations to accommodate City specific features/factors.
- The Topic Start Date mentioned here might vary for batches starting on different dates of the particular course. However the coverage of the content in any topic shall remain the same, it is done by altering the frequency of proposed/planned lectures in a particular week.
- The information given in this Course Planner is proposed for Academic Session 2018-19. The institute reserves the right to make changes in it in the interest of students.

Holidays/ Vacations (Total: 11 Days): 1. Independence Day: 15th August, 2019 : One Day 2. Deepawali Holidays: From 24th October, 2019 (Thursday) to 02nd November, 2019 (Wednesday): 09 Days 3. Republic Day: 26th January, 2020: One Day (Applicable only at Kota SC and at other SCs Deepawali vacation will be informed to students as per respective SC holiday calendar)

SUBJECT WISE SYLLABUS PLAN

- ◆ Topic Name
- ◆ Topic Sequence

- ◆ Topic Commencement
- ◆ No. of Lectures allotted to each Topic

PHYSICS (PI)				CHEMISTRY (IC)				MATHEMATICS (MI)			
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	RECTILINEAR MOTION	4	06-05-19	PHYSICAL/INORGANIC				1	FUNDAMENTALS OF MATHEMATICS	12	06-05-19
2	PROJECTILE MOTION	3	10-05-19	1	MOLE CONCEPT	6	06-05-19	2	QUADRATIC EQUATION	7	22-05-19
3	RELATIVE MOTION	5	15-05-19	2	QUANTUM MECHANICAL MODEL OF ATOM (GMVM)	2	15-05-19	3	RELATION, FUNCTION & ITF	13	03-06-19
4	GEOMETRICAL OPTICS	15	22-05-19	3	PERIODIC TABLE	3	21-05-19	4	STATISTICS	2	20-06-19
5	NEWTON'S LAWS OF MOTION	7	13-06-19	4	REAL GASES	4	28-05-19	5	SEQUENCE & SERIES	5	24-06-19
6	FRICTION	3	24-06-19	5	CHEMICAL BONDING	13	05-06-19	6	MATRICES & DETERMINANT	9	29-06-19
7	WORK, POWER, ENERGY	5	27-06-19	6	CHEMICAL EQUILIBRIUM	6	01-07-19	7	STRAIGHT LINE	10	10-07-19
8	ELECTROSTATICS	14	03-07-19	7	IONIC EQUILIBRIUM (ELEMENTARY)	8	15-07-19	8	CIRCLE	7	22-07-19
9	GRAVITATION	3	19-07-19	8	COORDINATION COMPOUNDS	9	29-07-19	9	LIMITS, CONTINUITY & DERIVABILITY	11	30-07-19
10	CURRENT ELECTRICITY	6	23-07-19	9	ELECTROCHEMISTRY	10	16-08-19	10	APPLICATION OF DERIVATIVES	13	12-08-19
11	CAPACITANCE	6	30-07-19	10	METALLURGY	3	27-08-19	11	SOLUTION OF TRIANGLE	3	29-08-19
12	CIRCULAR MOTION	4	06-08-19	11	S-BLOCK (ELEMENT)	3	03-09-19	12	CONIC SECTION	15	02-09-19
13	CENTRE OF MASS	6	10-08-19	12	P-BLOCK (B & C FAMILY)	4	09-09-19	13	INDEFINITE INTEGRATION	6	20-09-19
14	RIGID BODY DYNAMICS	11	20-08-19	13	EQUIVALENT CONCEPT	4	16-09-19	14	DEFINITE INTEGRATION & ITS APPLICATION	13	27-09-19
15	SIMPLE HARMONIC MOTION	7	02-09-19	14	CHEMICAL KINETICS	7	23-09-19	15	DIFFERENTIAL EQUATION	5	15-10-19
16	STRING WAVE	5	12-09-19	15	P-BLOCK (N & O)	4	03-10-19	16	MATHEMATICAL REASONING	3	21-10-19
17	SOUND WAVE	7	18-09-19	16	SOLUTION & COLLIGATIVE PROPERTIES	8	10-10-19	17	VECTOR & 3-D	13	04-11-19
18	WAVE OPTICS	4	26-09-19	17	SURFACE CHEMISTRY	3	04-11-19	18	COMPLEX NUMBER	10	19-11-19
19	EM WAVE	1	01-10-19	18	SOLID STATE	6	07-11-19	19	BINOMIAL THEOREM	6	02-12-19
20	SEMICONDUCTOR	3	02-10-19	19	HALOGEN NOBLE GAS	5	19-11-19	20	PERMUTATION & COMBINATION	10	09-12-19
21	POC	2	07-10-19	20	THERMODYNAMICS	10	26-11-19	21	PROBABILITY	5	23-12-19
22	EMF	7	09-10-19	21	D-BLOCK ELEMENT	4	12-12-19				
23	EMI	6	17-10-19	ORGANIC							
24	ALTERNATING CURRENT	4	04-11-19	1	IUPAC NOMENCLATURE	4	06-05-19				
25	MODERN PHYSICS-I	12	06-11-19	2	STRUCTURAL ISOMERISM	1	15-05-19				
26	NUCLEAR PHYSICS	4	25-11-19	3	STRUCTURE IDENTIFICATION AND POC-I	4	20-05-19				
27	FLUID MECHANICS	4	29-11-19	4	GOC-I	7	28-05-19				
28	SURFACE TENSION	3	04-12-19	5	GOC-II	6	24-06-19				
29	ELASTICITY AND VISCOSITY	1	07-12-19	6	STEREIOISOMERISM	6	08-07-19				
30	KTG AND THERMODYNAMICS	8	09-12-19	7	ORM-I	5	23-07-19				
31	CALORIMETRY & THERMAL EXPANSION	3	19-12-19	8	ORM-II	6	06-08-19				
32	HEAT TRANSFER	5	23-12-19	9	REDUCTION, OXIDATION & HYDROLYSIS	4	02-09-19				
	Total No. of Lectures	178		10	ORM-III	5	16-09-19				
				11	ORM-IV	4	01-10-19				
				12	AROMATIC	3	15-10-19				
				13	CARBONYL COMPOUNDS	4	11-11-19				
				14	ACID & DERIVATIVES	1	25-11-19				
				15	BIOMOLECULES	3	26-11-19				
				16	POLYMER	1	09-12-19				
				17	PHYSICAL PROPERTIES & CHEMISTRY IN EVERYDAY LIFE	1	10-12-19				
				18	CHEMISTRY IN EVERYDAY LIFE	1	16-12-19				
				19	ENVIRONMENTAL CHEMISTRY	2	17-12-19				
					Total No. of Lectures	190			Total No. of Lectures	178	

WEEKLY LECTURE PLANNER (Per Subject)

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	M		
W1	06/05	11/05	5	4	2	5	16
W2	13/05	18/05	5	3	3	5	16
W3	20/05	25/05	5	3	3	4	15
W4	27/05	01/06	4	3	2	5	14
W5	03/06	08/06	5	4	2	5	16
W6	10/06	15/06	5	3	2	5	15
W7	17/06	22/06	5	4	2	5	16
W8	24/06	29/06	6	3	3	6	18
W9	01/07	06/07	6	3	3	6	18
W10	08/07	13/07	6	3	3	6	18
W11	15/07	20/07	6	4	2	6	18
W12	22/07	27/07	6	4	2	6	18

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	M		
W13	29/07	03/08	6	3	3	6	18
W14	05/08	10/08	6	4	2	6	18
W15	12/08	17/08	4	4	1	4	13
W16	19/08	24/08	6	4	2	6	18
W17	26/08	31/08	6	4	2	6	18
W18	02/09	07/09	4	4	2	5	15
W19	09/09	14/09	6	4	2	6	18
W20	16/09	21/09	6	4	2	6	18
W21	23/09	28/09	6	4	2	6	18
W22	30/09	05/10	5	4	2	4	15
W23	07/10	12/10	6	4	2	6	18
W24	14/10	19/10	6	4	2	6	18

Week No.	Week Duration		No. of Lecture				Total No. of Lectures
	From	To	P	C	M		
W25	21/10	26/10	3	3	0	3	9
W26	28/10	02/11	0	0	0	0	0
W27	04/11	09/11	6	4	2	6	18
W28	11/11	16/11	6	4	2	6	18
W29	18/11	23/11	4	4	2	5	15
W30	25/11	30/11	6	4	2	6	18
W31	02/12	07/12	6	4	2	6	18
W32	09/12	14/12	5	4	2	4	15
W33	16/12	21/12	6	4	2	6	18
W34	23/12	28/12	5	4	1	5	15

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. No.	Periodic Test No. and No.	Test Pattern Mode	Periodic Test Date	First Display (Notice Board) & Communication to parent with Centre Rank	Display & Communication of Final Result with All Resonance Rank (ARR)	Uploading of Result on Resonance Website	Periodic Test Syllabus			Testing Hours	
							Physics	Chemistry			Mathematics
								Physical/ Inorganic	Organic		
1	MPT-1	MAIN	02-06-19	WITHIN 4 (FOUR) DAYS OF TEST CONDUCTION	WITHIN 1 WEEK OF TEST CONDUCTION	WITHIN 2 WEEKS OF TEST CONDUCTION	Rectilinear Motion, Projectile Motion, Relative Motion	Mole Concept	IUPAC naming & Structure isomers	Fundamentals of Mathematics	3
2	MCT-1	MAIN	16-06-19				Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics (Upto PHS)	Mole Concept, GMM & Periodic Table, Real Gases till date	IUPAC naming, Structure isomers & Structure identification, POC	Fundamentals of Mathematics, Quadratic Equation.	3
3	MCT-2	MAIN	14-07-19				Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, NLM, Friction, Work Power & Energy	Mole concept, GMM, Periodic Table & Real Gas, Chemical Bonding, Chemical Equilibrium (upto Homogeneous equilibrium) (All Chemifin & Handouts Till date)	Structure identification, POC, GOC-I, GOC-II (up to Intermediates)	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & IFF, Statistics, Sequence & Series	3
4	MPT-2	MAIN	04-08-19				Geometrical Optics, NLM, Friction, Work Power & Energy, Electrostatics, Gravitation, Current Electricity (Upto Combination of resistance)	Periodic Table, Real Gases, Chemical Bonding, Chemical Equilibrium	GOC-I, GOC-II & Geometrical isomerism	Quadratic Equation, Relations, Function & IFF, Statistics, Sequence & Series, Matrices & Determinant, Straight Line	3
5	MCT-3	MAIN	18-08-19				Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, NLM, Friction, Work Power & Energy, Electrostatics, Gravitation, Current Electricity, Capacitance, Circular Motion, Center of Mass, Rigid Body Dynamics	Mole Concept, GMM, Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium & Coordination compounds	GOC-II, Stereo isomerism & ORM-I	Fundamentals of Mathematics, Quadratic Equation, Relations, Function & IFF, Statistics, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continuity & Derivability (Upto Limits only)	3
6	MCT-4	MAIN	08-09-19				Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, NLM, Friction, Work Power & Energy, Electrostatics, Gravitation, Current Electricity, Capacitance, Circular Motion, Center of Mass, Rigid Body Dynamics	Mole concept, GMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (elementary), Coordination compounds, Electrochemistry, Metallurgy (All Chemifin and Handouts Till date)	Stereoisomerism, ORM-I & ORM-II	Fundamentals of Mathematics, Quadratic Equation, Relation, Function & IFF, Statistics, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continui	3
7	MPT-4	MAIN	29-09-19				Current Electricity, Capacitance, Circular Motion, Center of Mass, Rigid Body Dynamics, Simple Harmonic Motion, String wave, Sound Wave, Wave Optics	Coordination compounds, Electrochemistry, Metallurgy & s-Block (Element), p-Block (B & C family)	ORM-I, ORM-II, Reduction, Oxidation & Hydrolysis	Circle, Limits, Continuity & Derivability, Application of Derivatives, Solution of Triangle, Conic Section	3
8	MCT-5	MAIN	24-11-19				Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical Optics, NLM, Friction, Work Power & Energy, Electrostatics, Gravitation, Current Electricity, Capacitance, Circular Motion, Center of Mass, Rigid Body Dynamics, Simple Harmonic Motion, String wave, Sound Wave, Wave Optics, Semiconductor, POC, EMM, EMF, EMI, AC	Mole Concept, GMM, Periodic Table, Real Gases & Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium, Coordination compounds, Electrochemistry, Metallurgy & s-Block (Element), p-Block (B & C family), Equivalent Concept, Chemical Kinetics, p-Block(N & O), Solution & Colligative Properties	ORM.I,III,IV & Reduction, Oxidation, Hydrolysis	Fundamentals of Mathematics, Quadratic Equation, Relations, Function & IFF, Statistics, Sequence & Series, Matrices & Determinant, Straight Line, Circle, Limits, Continuity & Derivability, Application of Derivatives, Solution of Triangle, Conic Section, Indefinite Integration, Definite Integration & Its Application, Differential Equation, Mathematical reasoning, Vector & 3-D (upto cross product of two vectors)	3
9	MPT-5	MAIN	15-12-19				Semiconductor, POC, EMM, EMF EMI, AC, MP-1, Nuclear Physics, Fluid Mechanics, Surface Tension	Solution Colligative, Surface Chemistry, Solid State, Halogen Noble Gas, Thermodynamics & Thermochemistry	Aromatic & Carbonyl compounds	Definite Integration & Its Application, Differential Equation, Mathematical reasoning, Vector & 3-D, Complex Number	3
10	AIOI-1 (MAIN)	MAIN	29-12-19				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
11	MMT-1	MAIN	31-12-19				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
12	MMT-2	MAIN	02-01-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
13	AIOI2 (MAIN)	MAIN	16-02-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
14	JPT-1 (MAIN)	MAIN	15-03-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
15	JPT-2 (MAIN)	MAIN	22-03-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	3
16	JPT-3 (MAIN)	MAIN	29-03-20				FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS	FULL 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/ CIs (except BPTs).
3. Student can submit their request for re-evaluation in two working days after first display of result.

Discussion Schedule of Daily Practice Problems (DPPs):

S. No.	Week No.	DPP No.				No. of DPPs	S. No.	Week No.	DPP No.				No. of DPPs	S. No.	Week No.	DPP No.				No. of DPPs
		P	C		M				P	C		M				P	C		M	
			P/I	O						P/I	O						P/I	O		
1	W1	A1, A2	0	A1	A1, A2	5	13	W13	34, 35, 36	19	15	34, 35, 36	8	25	W25	0	0	0	0	0
2	W2	3, 4	A1, A2	2	3, 4	7	14	W14	37, 38, 39	20, 21	16	37, 38, 39	9	26	W26	0	0	0	0	0
3	W3	5, 6	3, 4	3	5, 6	7	15	W15	40, 41, 42	22	17	40, 41, 42	8	27	W27	18,19,20	10, 11	8	18, 19, 20	9
4	W4	7, 8, 9	5, 6	4	7, 8, 9	9	16	W16	43, 44, 45	23	18	43, 44, 45	8	28	W28	21,22	12	9	21, 22	6
5	W5	10, 11, 12	7, 8	5	10, 11, 12	9	17	W17	46, 47, 48	24, 25	19	46, 47, 48	9	29	W29	23,24	13	10	23, 24	6
6	W6	13, 14, 15	9	6	13, 14, 15	8	18	W18	B1,B2	B1	B1	B1, B2	6	30	W30	25,26	14	11	25, 26	6
7	W7	16, 17, 18	10	7	16, 17, 18	8	19	W19	3, 4	2, 3	2	3, 4	7	31	W31	27,28	15, 16	12	27, 28	7
8	W8	19, 20, 21	11, 12	8, 9	19, 20, 21	10	20	W20	5,6,7	4	3	5, 6, 7	8	32	W32	29,30	17	13	29, 30	6
9	W9	22, 23, 24	13, 14	10	22, 23, 24	9	21	W21	8,9,10	5	4	8, 9, 10	8	33	W33	31,32	18	14	31, 32	3
10	W10	25, 26, 27	15, 16	11, 12	25, 26, 27	10	22	W22	11,12	6	5	11, 12	6	34	W34	33	0	15	33	3
11	W11	28, 29, 30	17	13	28, 29, 30	8	23	W23	13,14	7	6	13, 14	6	Total Number of DPPs						236
12	W12	31, 32, 33	18	14	31, 32, 33	8	24	W24	15,16,17	8, 9	7	15, 16, 17	9							

P: Physics | C (P/I): Chemistry (Physical/Inorganic) | C (O): Chemistry (Organic) | M: Mathematics

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