

TARGET: INDIAN INSTITUTES OF TECHNOLOGY (IITs)



Academic Session: 2018-19

COURSE PLANNER

For Students of

CLASS-XI | VIPUL (01JB)

Target: JEE (Main + Advanced) 2020

Medium: English | Hindi

COURSE CONCEPT

A Course which offers ample time of 2 years to become an expert in the curriculum of JEE (Main + Advanced). The course progresses with basic fundamental study; covering upon the syllabus of boards alongwith the preparation for JEE (Main + Advanced). The course helps in development of concepts, rigorous practice for board examinations as well as competitive examinations, enhancement of analytical thinking and increasing the confidence level of IIT aspirants.

Course Commencement: 28.05.2018 | Course End: 16.02.2019

RESONANCE TEACHING METHODOLOGY

Preparation for JEE (Main + Advanced)

Classroom Teaching

Daily Practice Problems (DPPs)

Study Material (Sheets/Modules)

APT - Advanced Pattern Part Test

ACT - Advanced Pattern Cumulative Test

MCT - Main Pattern Cumulative Test

Doubt Classes

*The support for Fourth subject (English), Fifth subject & Practical is provided by the institute to students on Optional & Nominal Chargeable basis.

Preparation for Board Examination

Classroom Teaching & NCERT Book Discussion

Resonance Board Worksheets (RBWs)

Study Material (Sheets/Modules)

Board (BPTs) Pattern Tests

Doubt Classes

Support for Fourth Subject (English)*

Support for Fifth Subject*

Support for Practical (Physics & Chemistry)

TOTAL ACADEMIC HOURS

◆ **Course Duration:** 38 Weeks

◆ **Total Number of Lectures: 462** (P: 139 | C: 182 | M: 141)

◆ **Duration of one lecture:** 1.5 hrs = 90 minutes

◆ **Total Duration of Classroom Teaching:** 693 hrs

◆ **Total Duration of Testing Hours (ACTs/APTs/ MCTs/BPTs/MT/AIOT):** 54 hrs

◆ **Total Academic Hours in VIPUL Course: 747 hrs**

TEACHING/ LEARNING TOOLS

- ◆ **Daily Practice Problems (DPPs):** A handout having problems for home assignment, practice and classroom discussion covering current and previous topics. A DPP for JEE (Advanced) has 7-10 problems and DPP for JEE (Main) contains upto 20 problems.
- ◆ **Board Worksheet:** Questions on board pattern with blank spaces (to write their answers) are provided to students in the form of worksheets. Students after completing the worksheet; have to submit it for evaluation. It ensures written practice of students for board examinations.
- ◆ **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)).
- ◆ **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 and Advanced) in offline and online mode. Board Practice Tests (BPTs) are also conducted.

Holidays/ Vacations (Total: 13-Days): **1.** Independence Day: 15th August, 2018 : One Day, **2.** Raksha Bandhan: 26th August, 2018: One Day, **3.** Deepawali Holidays: From 05th November, 2018 (Monday) to 14th November, 2018 (Wednesday): 10 Days, **4.** Republic Day: 26th January, 2019: One Day (Applicable only at Kota SC and at other SC's Deepawali vacation will be informed to students as per respective SC holiday calendar)

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.

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

S. Test Type and No.	Periodic Test Date	Test Pattern	First Display 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	01-07-18 (Sunday)	JEE (Advanced)	05-07-18 (Thursday)	10-07-18 (Tuesday)	12-07-18 (Thursday)	Mathematical tools, Rectilinear motion upto Average velocity, Average acceleration	Introduction to Chemistry & Atomic Structure (upto Electromagnetic Radiations (properties of waves))	IUPAC- Nomenclature (upto non-chain terminating Functional groups)	Fundamentals of Mathematics-I	6
2	05-08-18 (Sunday)	JEE (Advanced)	09-08-18 (Thursday)	14-08-18 (Tuesday)	16-08-18 (Thursday)	Mathematical tools, Rectilinear motion, Projectile motion, Relative motion upto wind rain problems	Introduction to Chemistry & Atomic Structure (upto Spectral Lines)	IUPAC Nomenclature, Structural Isomerism, Structural Identification	FOM-1, Quadratic Equation, Trigonometry (Upto Transformation of product into sum, Transformation of product into product of sine & cosine)	6
3	MCT-1+ BPT-1	JEE (Main)+ Board	13-09-18 (Thursday)	18-09-18 (Tuesday)	20-09-18 (Thursday)	Mathematical tools, Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, Work, Power, Energy upto Work energy theorem	Introduction to Chemistry, Atomic Structure, Mole Concept (upto Equation based calculations, Concept of Limiting reagent)	Structural Isomerism, Structural identification, Periodic Table & BIN, ABC-1	FOM-I, Quadratic Equation, Trigonometry, Statistics, SOT, Sequence & Series (Upto G.P. I, General term, sum, Properties of G.P.)	6
4	30-09-18 (Sunday)	JEE (Advanced)	04-10-18 (Thursday)	09-10-18 (Tuesday)	11-10-18 (Thursday)	NLM, Friction, Work, Power & Energy, Circular Motion, Centre of mass up to Calculation of COM of system of particles	Atomic Structure, Mole Concept & Ideal Gases (upto Connecting vessels problems)	Periodic Table & BIN, ABC-1, ABC-2, Chemical Bonding-1 (upto Finding bond order in oxoanions and their acids)	Quadratic Equation, Trigonometry, SOT, Sequence & Series, Binomial Theorem (Upto Product of Binomial coefficients)	6
5	18-11-18 (Sunday)	JEE (Advanced)	22-11-18 (Thursday)	27-11-18 (Tuesday)	29-11-18 (Thursday)	Mathematical tools, Rectilinear motion, Projectile motion, Relative motion, NLM, Friction, Work, Power, Energy Circular Motion, Centre of mass, Rigid body dynamics	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous state 1 & 2	Periodic Table & BIN, ABC-1 & 2, Chemical bonding-1 to Chemical bonding-3	FOM-I, Quadratic Equation, Trigonometry, SOT, Sequence & Series, Binomial Theorem, P & C, Straight Line (Upto Special points of II, Locus)	6
6	16-12-18 (Sunday)	JEE (Main)+ Board	20-12-18 (Thursday)	25-12-18 (Tuesday)	27-12-18 (Thursday)	Mathematical tools, Rectilinear & Projectile Motion, NLM, Friction, Work, Power, Energy Circular Motion, COM, RBD, SHM, Fluids, Surface tension	Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous state 1 & 2, Chemical Equilibrium, Thermodynamics & Thermochemistry (till taught)	ABC-1 & 2, Chemical bonding-1 to Chemical bonding-5, ABC-3	FOM-I, Quadratic Equation, Trigonometry, Statistics, Solution of Triangle, Sequence & Series, Binomial Theorem, P & C, Straight Line, Circle, Mathematical Reasoning	6
7	06-01-19 (Sunday)	JEE (Advanced)	10-01-19 (Thursday)	15-01-19 (Tuesday)	17-01-19 (Thursday)	Centre of mass, Rigid body dynamics, SHM, Fluids, Surface Tension, Error, Elasticity and viscosity, String wave up to power	Gaseous state1, Chemical Equilibrium, Gaseous state2, Thermodynamics, Ionic Equilibrium (Elementary)	ABC-3 & 4, Chemical Bonding & GOC-1 (upto stability of Resonating Structure)	P & C, Straight Line, Circle, Fundamentals of Mathematics-II (Upto Greatest Integer & Fractional part And Its Properties)	6
8	16-02-19 (Wednesday)	JEE (Main)	19-02-19 (Saturday)	22-02-19 (Tuesday)	24-02-19 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
9	17-02-19 (Thursday)	JEE (Advanced)	19-02-19 (Saturday)	22-02-19 (Tuesday)	24-02-19 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	6
10	03-03-19 (Sunday)	JEE (Main)	07-03-19 (Thursday)	12-03-19 (Tuesday)	14-03-19 (Thursday)	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	3
Total Testing Hours									54	

Date of Reshuffling of Batches: 19.06.2018, 09.12.2018

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 to Result Section for re-evaluation in two working days after first display of result.

RESONANCE BOARD WORKSHEET (RBW) SCHEDULE

PHYSICS		
Week No.	RBW Dist. Date	RBW No.
W-8	16-07-2018	1
W-16	10-09-2018	2
W-21	15-10-2018	3
W-27	26-11-2018	4
W-33	07-01-2019	5
W-36	28-01-2019	6
TOTAL RBWs		6

CHEMISTRY		
Week No.	RBW Dist. Date	RBW No.
W-13	20-08-2018 (P)	1
W-20	08-10-2018 (P)	2
W-25	12-11-2018 (P)	3
W-29	10-12-2018 (P)	4
W-34	14-01-2019 (P)	5
W-09	23-07-2018 (O/I)	1
W-13	20-08-2018 (O/I)	2
W-26	19-11-2018 (O/I)	3
W-29	10-12-2018 (O/I)	4
W-36	28-01-2019 (O/I)	5
TOTAL RBWs		10

MATHEMATICS		
Week No.	RBW Dist. Date	RBW No.
W-4	18-06-2018	1
W-8	16-07-2018	2
W-11	06-08-2018	3
W-15	03-09-2018	4
W-19	01-10-2018	5
W-25	17-11-2018	6
W-29	10-12-2018	7
W-33	07-01-2019	8
TOTAL RBWs		8

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	Week-1	A1,2	A1	A1	A1,2	6	15	Week-15	5,6	3	3	5,6	6	29	Week-29	C1,2,3	C1	C1	C1,2,3	8
2	Week-2	3,4	2	2	3,4	6	16	Week-16	7,8	4	4	7,8	6	30	Week-30	4,5	2	2	4,5	6
3	Week-3	5,6,7	3,4	3	5,6,7	9	17	Week-17	9,10	5	5	9,10	6	31	Week-31	6,7,8	3,4	3	6,7,8	9
4	Week-4	8,9,10	5	4	8,9,10	8	18	Week-18	11,12	6	6	11,12	6	32	Week-32	9,10,11	5	4	9,10,11	8
5	Week-5	11,12	0	5	11,12	5	19	Week-19	13,14	7	7	13,14	6	33	Week-33	12,13	6	5	12,13	6
6	Week-6	13,14,15	6	6	13,14,15	8	20	Week-20	15,16	8	8	15,16	6	34	Week-34	14,15,16	7	6	14,15,16	8
7	Week-7	16,17,18	7	7	16,17,18	8	21	Week-21	17,18	9	9	17,18	6	35	Week-35	17,18,19	8	7,8	17,18,19	9
8	Week-8	19,20	8	8,9	19,20	7	22	Week-22	00	10	10	00	2	36	Week-36	20,21,22	9	9	20,21,22	8
9	Week-9	21,22,23	9,10	10	21,22,23	9	23	Week-23	19	11	11	19	4	37	Week-37	23,24,25	10	10,11	23,24,25	9
10	Week-10	24,25,26	0	11	24,25,26	7	24	Week-24	Diwali Vacations					38	Week-38	26	00	12	26	3
11	Week-11	27,28	11	12	27,28	6	25	Week-25	20	12	0	20	3	39	Week-39	00	00	00	00	00
12	Week-12	29,30,31	0	0	29,30,31	6	26	Week-26	21,22	13	12	21,22	6	40	Week-40	00	00	00	00	00
13	Week-13	B1,2	B1	B1	B1,2	6	27	Week-27	23,24,25	14,15	13	23,24,25	9	Total Number of DPPs				245		
14	Week-14	3,4	2	2	3,4	6	28	Week-28	26,27,28	16	14	26,27,28	8							

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

Resonance Eduventures Ltd.

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 Allahabad: 07446655022 | Aurangabad: 07446655033 | Jabalpur: 07446655111 | Raipur: 07446655566 | Gwalior: 07446655077 | Vadodara: 07446655588 | Surat: 07446655544
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