



VIBRANT ACADEMY
(India) Pvt. Ltd.
Believe in Excellence

Tentative COURSE PLANNER

For Students of

**CLASS-XII | CHAMPION
STAR BATCH**

Academic Session: 2025-26

Target: JEE (Main + Advanced) 2026

Medium: English

COURSE CONCEPT

The course progresses with basic fundamental study; covering upon the syllabus of boards (At Kota study centre) alongwith the preparation for JEE (Main + Advanced). The course helps in development of concepts, rigorous practice for board exams, enhancement of analytical thinking and increasing the confidence level of aspirant.

Course Commencement: 21.01.2025 | Course End: 10.12.2025

VIBRANT TEACHING METHODOLOGY

Preparation for JEE (Main + Advanced)

Classroom Teaching

Daily Practice Problems (DPPs)

Study Material (Sheets/Modules)

APT - Advanced Pattern Test : 5

MPT - Main Pattern Test : 5

IRP - APT + MPT + PT + FST : 30

Doubt Classes

Preparation for Board Examination

Classroom Teaching & NCERT Book Discussion

Vibrant Board Worksheets

Study Material (Sheets/Modules)

Board Pattern Tests

Support for English

Support for Fifth Subject*

Support for Practical (Physics & Chemistry)

TOTAL ACADEMIC HOURS

- ♦ **Course Duration:** 43 Weeks
- ♦ **Total Number of Lectures: 536** (P: 120 | C: 284 | M: 132)
- ♦ **Duration of one lecture:** 1.5 hrs = 90 minutes
- ♦ **Total Duration of Classroom Teaching:** 804 hrs
- ♦ **Total Duration of Testing Hours:** 183 hrs
- ♦ **Total Academic Hours in MEGA Course:** 987 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 approximately.
- ♦ **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)).
- ♦ **Review / Practice Tests:** Review/Practice Tests to be conducted having part/Full syllabus with problems of seen/unseen nature and Tests comprising of the syllabus taught till date. Both the Tests are conducted on the pattern of JEE (Main) and JEE (Main + Advanced) in offline and online mode. Board Practice Tests are also conducted.

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 Vibrant 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 one by altering the frequency of proposed/planned lectures in a particular week.
- ♦ The information given in this Course Planner is proposed for Academic Session 2024-25. The institute reserves the right to make changes in it in the interest of students.

Holidays/Vacations (Total: 11-Days): 1. Independence Day: 15 August, 2024 : One Day, 2. Raksha Bandhan: 19 August, 2024: One Day, 3. Deepawali Holidays: From 29 October, 2024 to 05 November, 2024: 8 Days, 4. Republic Day: 26 January, 2025: 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.

SUBJECT WISE SYLLABUS PLAN

- ◆ Topic Name
- ◆ Topic Sequence

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

PHYSICS					CHEMISTRY					MATHEMATICS						
S. No.	Topic Name/Sequence	No of Lectures	Start Date	End Date	S. No.	Topic Name/Sequence	No of Lectures	Start Date	End Date	S. No.	Topic Name/Sequence	No of Lectures	Start Date	End Date		
1	Viscosity & Surface Tension	6	15.01	17.02	PHYSICAL					1	Matrices	6	15.01	17.02		
2	Geometrical Optics Including Instruments	16			1	Redox	13	15.01	17.02	2	Probability	8				
3	Wave Optics (Interference, Diffraction, Polarisation)	10	03.04	25.04	2	Chemical Kinetics	13	03.04	05.05	3	Function	10	03.04	28.04		
4	Electro Statics	18	26.04	07.06	3	Thermodynamics	18	06.05	15.06	4	ITF	6	29.04	12.05		
5	Gravitation (P)	5	08.06	12.07	4	Thermochemistry	6	17.06	29.06	5	Limits	8	13.05	30.05		
6	Current Electricity (Including Instruments)	11			5	Electrochemistry	15	01.07	03.08	6	Continuity	4	01.06	09.06		
7	Capacitor	9	13.07	31.07	6	Liquid Solution	10	05.08	27.08	7	Differentiability	4	10.06	18.06		
8	Magnetic Effect of Current	11	01.08	27.08	7	Solid State	8	28.08	16.09	8	Method of differentiation	6	19.06	02.07		
9	Electromagnetic Induction & A.C.	15	28.08	30.09	8	Surface Chemistry	7	17.09	02.10	9	Indefinite integration	9	03.07	26.07		
10	Magnetic Properties of Material	2	01.10	25.10	INORGANIC					10	Definite integration	9	27.07	18.08		
11	Modern Physics	10			1	Chemical Bonding (Basic)	12	15.01	17.02	11	Applications of derivative	14	20.08	23.09		
12	Error & Measurement	3	26.10	22.11	2	Chemical Bonding (Advanced)	20	03.04	23.05	12	Differential Equation	6	24.09	07.10		
13	Semiconductor	3			3	Coordination	18	24.05	06.07	13	Vector(P)	10	08.10	28.10		
14	Electromagnetic Waves	1	26.10	22.11	4	Metallurgy	12	07.07	06.08	14	Area Under Curve (P)	4	07.11	15.11		
					5	Types Of Reaction	15	07.08	14.09	15	3D (P)	4	16.11	26.11		
					6	Salt Analysis & Block Chemistry	15	16.09	22.10	16	Complex Number	9	24.09	12.10		
					Total No. of Lectures (IOC) 92					17	Conic Section	15	14.10	26.11		
					ORGANIC					Total No. of Lectures 132						
					1	Isomerism I	12	15.01	17.02							
					2	Isomerism II	12	03.04	01.05							
					3	Hydrocarbon	14	03.05	05.06							
					4	BOC	3	07.06	12.06							
					5	Alkyl Halide (Substitution & Elimination)	16	13.06	22.07							
					6	Grignard Reagent	4	23.07	31.07							
					7	Carbonyl Compound	12	01.08	02.09							
					8	POC	5	03.09	13.09							
					9	Carbene & Nitrene	6	14.09	27.09							
					10	Biomolecule	6	28.09	11.10							
					11	Aromatic Chemistry	10	12.10	11.11							
					12	Polymer	2	12.11	15.11							
					Total No. of Lectures (OC) 102											
					Total No. of Lectures 284											
Total No. of Lectures 120					Total No. of Lectures 284					Total No. of Lectures 132						

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