



# VIBRANT ACADEMY

An Exclusive Institute for IIT-JEE Preparation

## Tentative COURSE PLANNER

For Students of

**CLASS: XI | COURSE NAME:  
CHAMPION STAR BATCH**

**Target: JEE (Main + Advanced) 2027**

**Academic Session: 2025-26**

Medium: English

**Course Commencement: 02.04.2025 | Course End: 30.12.2025**

### VIBRANT TEACHING METHODOLOGY

#### Preparation for JEE (Main + Advanced)

Classroom Teaching

Study Material (Modules / DPPs)

Regular Doubt Classes

JEE (Main) Pattern Tests : 5

JEE (Advanced) Pattern Tests : 5

#### Preparation for Board Examination

Study Material (Modules / DPPs)

Revision of Class XI

### TEACHING/ LEARNING TOOLS

- ♦ **Interactive Classroom Learning & Support Model:** Our classroom model is interactive & constantly developing to suit individual needs by providing abundant mental stimulation.
- ♦ **Testing Assessment & Feedback Mechanism:** Our Topic-wise Tests, Full Syllabus Tests & rigorous feedback mechanism helps the students to know their level of understanding.
- ♦ **Study Material (Modules/DPPs):** Topic wise study material having key concepts, problems for practice in various exercise levels and questions asked in previous years of JEE examination.
- ♦ **Doubt Removal Sessions:** The teaching methodology at Vibrant Academy has the necessary ingredient of regular doubt removal sessions in every class for the problems encountered in the practice material and tests.
- ♦ **Sheet Discussion:** Problem sheets are discussed regularly in classes which also include discussion on question banks and special assignments. These classes help students in clarifying doubts and help them in understanding the concepts. This enables them for appropriate JEE preparation for better results.

**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.

### TOTAL ACADEMIC HOURS

- ♦ **Course Duration:** 39 Weeks
- ♦ **Total Number of Lectures: 416** (P: 122 | C: 171 | M: 123)
- ♦ **Duration of one lecture:** 1.5 hrs = 90 minutes
- ♦ **Total Duration of Classroom Teaching:** 624 hrs
- ♦ **Total Duration of Testing Hours:** 45 hrs
- ♦ **Total Academic Hours in Micro Course:** 669 hrs

### DISCLAIMERS

- ♦ The Institute reserves the right to increase/decrease the number or lectured allotted to any topic and also make changes in the sequence of the topics of each subject depending upon the course requirements.
- ♦ The topic start date mentioned here might vary. 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 2024-25. The institute reserves the right to make changes in it in the interest of students.

## 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			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	Units and dimension	3			PHYSICAL CHEMISTRY					1	Inequality & Modulus	4	03.04	10.04
2	Vectors	6	08.04	17.04	1	Mole Concept	20	03.04	18.05	2	Compound Angles (Trigo Phase-I)	12	12.04	08.05
3	Basic Maths	5	19.04	30.04	2	Atomic Structure	13	20.05	15.06	3	Logarithm	7	09.05	25.05
4	Kinematics	11	01.05	06.05	3	Chemical Equilibrium	11	17.06	08.07	4	Graphs	6	27.05	08.06
5	Laws of motion	6	08.05	15.05	4	Ionic Equilibrium	15	10.07	10.08	5	Quadratic equations, Inequations, Algebraic expressions	11	10.06	03.07
6	Friction	5	17.05	24.05	5	Gaseous State	13	12.08	05.09	6	Sequence and Series	9	03.07	25.07
7	Circular motion	6	27.05	08.06	Total No. of Lectures (PC) 72					7	Trigonometric Equations (Trigo Phase-2)	6	27.07	07.08
					INORGANIC CHEMISTRY									
8	Work energy power	6	10.06	19.06	6	General Chemistry + Periodic Table and Periodicity	10	03.04	24.04	8	Solution of Triangle (Trigo Phase-3)	8	09.08	28.08
9	Centre of mass & momentum	10	21.06	03.07	7	Chemical Bonding (Basic)	20	26.04	10.06	9	Determinant	5	30.08	09.09
10	Rotation of rigid body	15	05.07	17.07	8	Chemical Bonding (Advanced 1 & 2)	16	12.06	17.07	10	Straight lines	10	11.09	02.10
11	SHM	8	19.07	31.07	9	P - Block (13 & 14 Group)	4	19.07	27.07	11	Circles	12	04.10	06.11
12	Calorimetry Thermal Expansion & Heat transfer	10	01.08	10.08	Total No. of Lectures (IOC) 50					12	Parabola	6	08.11	20.11
					ORGANIC CHEMISTRY									
13	KTG & Thermodynamics	8	12.08	16.09	10	IUPAC	12	03.04	30.04	13	Ellipse	5	22.11	02.12
14	Fluid mechanics	7	18.09	05.10	11	Hydrocarbons	9	02.05	20.05	14	Hyperbola	5	04.12	14.12
15	Elasticity	2	07.10	28.10	12	GOC	20	22.05	06.07	15	Permutation and Combination (P)	12	02.12	28.12
16	Wave in string	6	06.11	23.11	13	Isomerism	7	08.07	23.07	16	Binomial theorem for natural index	5	16.12	26.12
17	Sound waves	8	25.11	09.12	Total No. of Lectures (OC) 48									
Total No. of Lectures (P)			122		Total No. of Lectures			170		Total No. of Lectures (M)			123	



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