VIBRANT ACADEMY

An Exclusive Institute for IIT-JEE Preparation

Tentative

COURSE PLANNER

For Students of

CLASS: XI | COURSE NAME: MICRO

Target: JEE (Main+Advanced) 2026

Academic Session: 2024-25

Medium: English

Course Commencement: 03.04.2024 | Course End: 31.12.2024

VIBRANT TEACHING METHODOLOGY

Preparation for JEE (Main+Advanced)	Preparation for Board Examination
Classroom Teaching	Study Material (Modules / DPPs)
Study Material (Modules / DPPs)	Revision of Class XI
Regular Doubt Classes	
JEE (Main) Pattern Tests : 5	
JEE (Advanced) Pattern Tests : 5	

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.

TOTAL ACADEMIC HOURS

- **Course Duration:** 39 Weeks
- **Total Number of Lectures: 411** (P: 120 | C: 162 | M: 129)
- **Duration of one lecture:** 1.5 hrs = 90 minutes
- **Total Duration of Classroom Teaching:** 617 hrs
- **Total Duration of Testing Hours: 45** hrs
- **Total Academic Hours in Micro Course: 662** 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.

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 calender.

SUBJECT WISE SYLLABUS PLAN

- Topic Name
- Topic Sequence
- Topic Commencement
- No. of Lectures allotted to each Topic

PHYSICS

S. No.	Topic Name/Sequence	No of Lectures	Start Date	End Date
1	Units and dimension	2	03.04	06.04
2	Vectors and scalars	5	08.04	17.04
3	Basic Maths	5	19.04	30.04
4	Kinematics	3	01.05	06.05
5	2D, 3D and projectile motion	4	08.05	15.05
6	Relative motion	4	17.05	24.05
7	Laws of motion	6	27.05	08.06
8	Friction	5	10.06	19.06
9	Work energy power	6	21.06	03.07
10	Circular motion	6	05.07	17.07
11	Centre of mass & momentum	5	19.07	31.07
12	Collision	5	01.08	10.08
13	Rotation of rigid body	15	12.08	16.09
14	SHM	8	18.09	05.10
15	Calorimetry Thermal Expansion & Heat transfer	10	07.10	28.10
16	KTG & Thermodynamics	8	06.11	23.11
17	Fluid mechanics	7	25.11	09.12
18	Elasticity	2	10.12	14.12
19	Wave	6	16.12	28.12
20	Sound waves (P)	8	16.12	31.12
Total No. of Lectures (P)		**120**		

CHEMISTRY

S. No.	Topic Name/Sequence	No of Lectures	Start Date	End Date
	PHYSICAL CHEMISTRY			
1	Mole Concept	18	03.04	13.05
2	Atomic Structure	12	15.05	10.06
3	Chemical Equilibrium	9	12.06	01.07
4	Ionic Equilibrium	13	03.07	31.07
5	Gaseous State	12	02.08	31.08
	Total No. of Lectures (PC)	**64**		
	INORGANIC CHEMISTRY			
6	General Chemistry + Periodic Table and Periodicity	10	03.04	24.04
7	Chemical Bonding (Basic)	20	26.04	10.06
8	Chemical Bonding (Advanced 1 & 2)	16	12.06	17.07
9	P - Block (13 & 14 Group)	4	19.07	27.07
	Total No. of Lectures (IOC)	**50**		
	ORGANIC CHEMISTRY			
10	IUPAC	12	03.04	30.04
11	Hydrocarbons	9	02.05	20.05
12	GOC	20	22.05	06.07
13	Isomerism	7	08.07	23.07
	Total No. of Lectures (OC)	**48**		
	Total No. of Lectures	**162**		

MATHEMATICS

S. No.	Topic Name/Sequence	No of Lectures	Start Date	End Date
1	Compound Angles	8	03.04	20.04
2	Logarithm	10	22.04	13.05
3	Trigo Phase-I	6	15.05	27.05
4	Graphs	10	29.05	20.06
5	Quadratic equations, Inequations, Algebraic expressions	10	22.06	13.07
6	Sequence and Series	5	15.07	24.07
7	Equations Inequations Trigo Phase-2	10	26.07	20.08
8	Solution of Triangle Trigo Phase-3	5	21.08	31.08
9	Determinant	10	02.09	23.09
10	Straight lines	10	25.09	16.10
11	Circles	12	18.10	20.11
12	Parabola	6	22.11	04.12
13	Ellipse	5	06.12	16.12
14	Hyperbola	5	18.12	28.12
15	Permutation and Combination (P)	12	18.11	14.12
16	Binomial theorem for natural index (P)	5	16.12	26.12
Total No. of Lectures (M)		**129**		