

COURSE PLANNER

CLASS-XI | VIKAAS (01JA)

Medium: Eng./Hin. Academic Session: 2019-20

Course Start: 01.04.2019 | Syllabus End: 30.12.2020

Target: JEE (Main+Advanced) 2021

TOTAL ACADEMIC HOURS

- ◆ Course Duration: 40 Weeks
- ◆ Total Number of Lectures: 460 (P: 140 | C: 180 | M: 140)
- ◆ Duration of one lecture: 1.5 hrs = 90 minutes
- ◆ Total Duration of Classroom Teaching: 690 hrs
- ◆ Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT): 66 hrs
- ◆ Total Academic Hours in VIKAAS Course: 756 hrs

SUBJECT WISE SYLLABUS PLAN

| PHYSICS (PI) | | | | CHEMISTRY (CI) | | | | 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 | Mathematical Tool | 11 | 01.04.19 | PHYSICAL/ INORGANIC | | | | 1 | Fundamentals of Mathematics-I | 14 | 01.04.19 |
| 2 | Rectilinear Motion | 5 | 22.04.19 | 1 | Introduction to Chemistry | 5 | 01.04.19 | 2 | Quadratic Equation | 13 | 24.04.19 |
| 3 | Projectile Motion | 6 | 01.05.19 | 2 | Atomic Structure | 16 | 22.04.19 | 3 | Trigonometry | 16 | 15.05.19 |
| 4 | Relative Motion | 6 | 16.05.19 | 3 | Mole Concept | 12 | 01.07.19 | 4 | Sequence & Series | 11 | 11.06.19 |
| 5 | NLM | 9 | 29.05.19 | 4 | Gaseous State-I | 8 | 01.08.19 | 5 | Fundamentals of Mathematics-II | 9 | 01.07.19 |
| 6 | Friction | 6 | 17.06.19 | 5 | Chemical Equilibrium | 8 | 20.08.19 | 6 | Binomial Theorem | 8 | 16.07.19 |
| 7 | WPE | 9 | 01.07.19 | 6 | Gaseous State-II | 4 | 09.09.19 | 7 | Permutation & Combination | 12 | 30.07.19 |
| 8 | Circular Motion | 7 | 22.07.19 | 7 | s-block | 5 | 17.09.19 | 8 | Straight Line | 15 | 20.08.19 |
| 9 | Center of Mass | 10 | 06.08.19 | 8 | Thermodynamics & Thermochemistry | 15 | 30.09.19 | 9 | Mathematical Reasoning | 3 | 18.09.19 |
| 10 | RBD | 13 | 27.08.19 | 9 | p-block (13-14 group) | 5 | 13.11.19 | 10 | Mathematical Induction | 2 | 25.09.19 |
| 11 | Simple Harmony Motion | 7 | 30.09.19 | 10 | Ionic Equilibrium (Elementary) | 7 | 26.11.19 | 11 | Circle | 11 | 30.09.19 |
| 12 | Fluid Mechanics | 4 | 14.10.19 | 11 | Ionic Equilibrium (Advanced) | 6 | 11.12.19 | 12 | Solution of Triangle | 6 | 04.11.19 |
| 13 | Surface Tension | 2 | 21.10.19 | ORGANIC | | | | 13 | Conic Section | 17 | 18.11.19 |
| 14 | Elasticity & Viscosity | 3 | 04.11.19 | 1 | IUPAC Nomenclature | 11 | 01.04.19 | 14 | Statistics | 3 | 19.12.19 |
| 15 | String Waves | 7 | 11.11.19 | 2 | Structural Isomerism | 4 | 01.05.19 | | | | |
| 16 | Unit & Dimension | 1 | 21.11.19 | 3 | Structural Identification | 3 | 14.05.19 | | | | |
| 17 | Sound Waves | 6 | 25.11.19 | 4 | ABC-I, II & III | 11 | 27.05.19 | | | | |
| 18 | KTG & Thermodynamics | 7 | 05.12.19 | 5 | Periodic Table | 7 | 01.07.19 | | | | |
| 19 | Calorimetry & Thermal Expansion | 3 | 18.12.19 | 6 | BIN | 3 | 16.07.19 | | | | |
| 20 | Error & Experiment | 1 | 24.12.19 | 7 | Chemical Bonding-I | 6 | 23.07.19 | | | | |
| 21 | Miscellaneous | 17 | | 8 | Chemical Bonding-II | 6 | 07.08.19 | | | | |
| | | | | 9 | Chemical Bonding-III | 5 | 26.08.19 | | | | |
| | | | | 10 | Chemical Bonding-IV & V | 7 | 04.09.19 | | | | |
| | | | | 11 | ABC-IV | 3 | 23.09.19 | | | | |
| | | | | 12 | GOC-I | 9 | 30.09.19 | | | | |
| | | | | 13 | GOC-II | 14 | 05.11.19 | | | | |
| Total No. of Lectures | | 140 | | Total No. of Lectures | | 180 | | Total No. of Lectures | | 140 | |

DPP DISTRIBUTION & DISCUSSION SCHEDULE

| S.No. | DATE | P/C/M |
|-------|------------------------|----------|
| 1 | 01 Apr to 30 Jun 19 | Module-A |
| 2 | 01 Jul to 29 Sep 19 | Module-B |
| 3 | 30 Sep 19 to 22 Feb 20 | Module-C |

RESONANCE BOARD WORKSHEET (RBW) SCHEDULE

| S.No. | PHYSICS | OC | PC | MATHS |
|-------|------------|------------|------------|------------|
| 1 | 13.05.2019 | 13.05.2019 | 01.07.2019 | 29.04.2019 |
| 2 | 17.06.2019 | 01.07.2019 | 26.08.2019 | 20.05.2019 |
| 3 | 15.07.2019 | 22.07.2019 | 30.09.2019 | 10.06.2019 |
| 4 | 26.08.2019 | 16.09.2019 | 11.11.2019 | 01.07.2019 |
| 5 | 30.09.2019 | 11.11.2019 | 09.12.2019 | 05.08.2019 |
| 6 | 11.11.2019 | - | - | 02.09.2019 |
| 7 | 02.12.2019 | - | - | 30.09.2019 |
| 8 | - | - | - | 11.11.2019 |

COUNSELING SESSIONS SCHEDULE*

| WEEK |
|-----------------------------|
| 13 - 18 May 2019 |
| 22 - 27 July 2019 |
| 14 - 19 October 2019 |

RESONANCE EDUVENTURES LTD.

PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

| S. No. | Periodic Test Type and No. | Test Pattern | Periodic Test Date | Uploading of Result on Resonance Website | Periodic Test Syllabus | | | Testing Hours | |
|----------------------------|----------------------------|--------------------|--------------------|--|---|---|--|---|-------------|
| | | | | | Physics | Chemistry | | | |
| | | | | | | Physical/ Inorganic | Organic | | Mathematics |
| 1 | APT-1 | JEE (Adv.) | 05-05-19 (Sunday) | 09-05-19 (Thursday) | Mathematical Tools Atomic Structure (upto Rutherford Model & Estimation of distance of closest approach) | Introduction to Chemistry & Atomic Structure (upto Rutherford Model & Estimation of distance of closest approach) | IUPAC Nomenclature (upto Non-chain terminating functional groups) | Fundamentals of Mathematics-I | 6 |
| 2 | MCT-1 + BPT-1 | JEE (Main) + Board | 26-05-19 (Sunday) | 30-05-19 (Thursday) | Mathematical Tools, Rectilinear motion, Projectile motion, Relative motion (Section-A) | Atomic Structure (upto Photoelectric Effect) | IUPAC Nomenclature, Structural Isomerism | Fundamentals of Mathematics-I, Quadratic Equation | 6 |
| 3 | ACT-1 | JEE (Adv.) | 23-06-19 (Sunday) | 04-07-19 (Thursday) | Mathematical Tools, Rectilinear Motion, Projectile Motion, NLM (Up to Section C) | Introduction to Chemistry & Atomic Structure (upto Quantum nos.) | IUPAC Nomenclature, Structural Isomerism & Structural Identification | Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry (Upto Using sum, diff. and product of trigonometric ratios) | 6 |
| 4 | APT-2 | JEE (Adv.) | 07-07-19 (Sunday) | 11-07-19 (Thursday) | Mathematical Tools, Rectilinear Motion, Projectile Motion, NLM, Friction | Atomic Structure + Mole Concept (upto minimum molecular mass determination) | Structural Isomerism, Structural identification & ABC-1, 2, 3 | Quadratic Equation, Trigonometry, Sequence & Series | 6 |
| 5 | MCT-2 + BPT-2 | JEE (Main) + Board | 28-07-19 (Sunday) | 01-08-19 (Thursday) | Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, NLM, Friction, WPE | Introduction to Chemistry, Atomic Structure, Mole Concept (upto Balancing of Redox Reactions) | Structural identification, ABC-1, 2, 3 & Periodic table Complete | Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Fundamentals of Mathematics-II | 6 |
| 6 | ACT-2 | JEE (Adv.) | 25-08-19 (Sunday) | 29-08-19 (Thursday) | Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, NLM, Friction, WPE, Circular Motion | Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous state 1 (Upto Graham's law) | Periodic table & BIN | Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Fundamentals of Mathematics-II, Binomial Theorem, Permutation & Combination (Upto except multinomial and dearrangement) | 6 |
| 7 | APT-3 | JEE (Adv.) | 22-09-19 (Sunday) | 26-09-19 (Thursday) | Friction, WPE, Circular Motion, Centre of mass, RBD (Upto Section D) | Mole Concept, Gaseous state-2 (upto vial equation) | Chemical Bonding-1, 2, 3 & 4 | Sequence & Series, Fundamentals of Mathematics-II, Binomial Theorem, Permutation & Combination, Straight Line (Upto Family of lines) | 6 |
| 8 | ACT-3 | JEE (Adv.) | 10-11-19 (Sunday) | 14-11-19 (Thursday) | Mathematical Tools, Rectilinear Motion, Projectile Motion, Relative motion, NLM, Friction, WPE, Circular Motion, Centre of mass, RBD, SHM, Fluid, Surface tension | Introduction to Chemistry, Atomic Structure, Mole Concept, Gaseous state 2, s-block elements & Thermodynamics (upto II) | Chemical Bonding Complete & GOC-I (upto Hyperconjugation) | Fundamentals of Mathematics-I, Quadratic Equation, Trigonometry, Sequence & Series, Fundamentals of Mathematics-II, Binomial Theorem, Permutation & Combination, Straight Line, Circle | 6 |
| 9 | APT-4 | JEE (Adv.) | 01-12-19 (Sunday) | 05-12-19 (Thursday) | RBD, SHM, Fluid, Surface Tension, Elasticity & Viscosity, Spring wave, Unit & Dimension | Gaseous state-2, s-block elements, Thermodynamics & Thermochemistry, p-block elements (Group 13 & 14) | GOC-I & Reaction intermediated | Straight Line, Circle, Solution of Triangle, Conic Section (Upto Elementary concepts of Parabola) | 6 |
| 10 | MT | JEE (Main) | 27-12-19 (Friday) | 02-01-20 (Thursday) | XI Full Syllabus | XI Full Syllabus | XI Full Syllabus | XI Full Syllabus | 3 |
| 11 | MT | JEE (Adv.) | 30-12-19 (Monday) | 03-01-20 (Friday) | XI Full Syllabus | XI Full Syllabus | XI Full Syllabus | XI Full Syllabus | 6 |
| 12 | AJOT | JEE (Main) | 09-02-20 (Sunday) | 13-02-20 (Thursday) | XI Full Syllabus | XI Full Syllabus | XI Full Syllabus | XI Full Syllabus | 3 |
| TOTAL TESTING HOURS | | | | | | | | 66 | |

Date of Reshuffling of Batches: 01.07.2019, 23.09.2019

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/ DTs (except BPTs).

3. Student can submit their request to Result Section for re-evaluation in two working days after first display of result.