

## COURSE PLANNER

For Students of

**CLASS-XIII | VIJAY (JR01)**

**Target: JEE (Main + Advanced) 2018**

Medium: English | Hindi

### COURSE CONCEPT

A Course which offers ample time of 1 year to become an expert in the curriculum of JEE (Main + Advanced). The course helps in development of concepts, enhancement of analytical thinking and increasing the confidence level of aspirant.

**Course Commencement: 15.06.2017 | Course End: 03.03.2018**

### RESONANCE TEACHING METHODOLOGY

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

|                                  |  |
|----------------------------------|--|
| Classroom Teaching               | ACT - Advanced Pattern Cumulative Test |
| Daily Practice Problems (DPPs)   | MCT - Main Pattern Cumulative Test     |
| Study Material (Sheets/Modules)  | Doubt Classes                          |
| APT - Advanced Pattern Part Test |  |

### 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.
- ◆ **Study Material (Sheets/Modules):** Topic wise study material having key concepts, problems for practice in various Exercise Levels and questions asked in previous years (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.

### TOTAL ACADEMIC HOURS

- ◆ **Course Duration:** 38 Weeks
- ◆ **Total Number of Lectures: 535** (P: 172 | C: 191 | M: 172)
- ◆ **Duration of one lecture:** 1.5/1.75 hrs = 90/105 minutes
- ◆ **Total Duration of Classroom Teaching:** 878 hrs
- ◆ **Total Duration of Testing Hours (ACTs/APTs/MCTs/MT/AIOT):** 93 hrs
- ◆ **Total Academic Hours in VIJAY Course: 971 hrs**

#### 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 2017-18. The institute reserves the right to make changes in it in the interest of students.

**Holidays/ Vacations (Total: 12-Days):** 1. Independence Day: 15<sup>th</sup> August, 2017 : One Day 2. Deepawali Holidays: From 16<sup>th</sup> October, 2017 (Monday) to 25<sup>th</sup> October, 2017 (Wednesday): 10 Days 3. Republic Day: 26<sup>th</sup> January, 2018: 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 [P] |                                  |                |               | CHEMISTRY [C]        |  |                | MATHEMATICS [M] |              |   |                |               |                             |   |           |
|-------------|----------------------------------|----------------|---------------|----------------------|--|----------------|-----------------|--------------|---|----------------|---------------|-----------------------------|---|-----------|
| 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           | Rectilinear motion               | 4              | 15-Jun-17     | PHYSICAL / INORGANIC |  |                | 1               | Mole Concept | 7   | 15-Jun-17      | 1             | Fundamentals of Mathematics | 8 | 15-Jun-17 |
| 2           | Projectile motion                | 3              | 21-Jun-17     | 2                    | Quantum Mechanical Model of Atom                 | 1              | 03-Jul-17       | 2            | Quadratic Equation                        | 6              | 27-Jun-17     |                             |   |           |
| 3           | Relative Motion                  | 4              | 26-Jun-17     | 3                    | Periodic Table                                   | 2              | 04-Jul-17       | 3            | Matrices & Determinant                    | 8              | 05-Jul-17     |                             |   |           |
| 4           | Geometrical Optics               | 14             | 01-Jul-17     | 4                    | Real Gas   | 4              | 10-Jul-17       | 4            | Statistics                                | 2              | 17-Jul-17     |                             |   |           |
| 5           | Newton's Laws of Motion          | 6              | 21-Jul-17     | 5                    | Chemical Bonding-I                               | 5              | 18-Jul-17       | 5            | Straight Line                             | 10             | 19-Jul-17     |                             |   |           |
| 6           | Friction                         | 3              | 29-Jul-17     | 6                    | Chemical Bonding-II                              | 3              | 31-Jul-17       | 6            | Circle                                    | 8              | 02-Aug-17     |                             |   |           |
| 7           | Work, Power & Energy             | 8              | 02-Aug-17     | 7                    | Chemical Bonding-III                             | 2              | 07-Aug-17       | 7            | Binomial Theorem                          | 6              | 14-Aug-17     |                             |   |           |
| 8           | Circular Motion                  | 5              | 14-Aug-17     | 8                    | Chemical Bonding-IV                              | 1              | 09-Aug-17       | 8            | Permutation & Combination                 | 9              | 22-Aug-17     |                             |   |           |
| 9           | Electrostatics                   | 14             | 21-Aug-17     | 9                    | Chemical Equilibrium                             | 6              | 14-Aug-17       | 9            | Probability                               | 6              | 04-Sep-17     |                             |   |           |
| 10          | Gravitation                      | 3              | 09-Sep-17     | 10                   | Ionic Equilibrium (Elementary)                   | 7              | 28-Aug-17       | 10           | Set & Relation                            | 2              | 12-Sep-17     |                             |   |           |
| 11          | Current Electricity              | 6              | 13-Sep-17     | 11                   | Coordination Compounds                           | 9              | 12-Sep-17       | 11           | Function & Inverse Trigonometric Function | 12             | 14-Sep-17     |                             |   |           |
| 12          | Capacitance                      | 5              | 21-Sep-17     | 12                   | Surface Chemistry                                | 3              | 03-Oct-17       | 12           | Limits, Continuity & Derivability         | 10             | 02-Oct-17     |                             |   |           |
| 13          | Center of Mass                   | 6              | 29-Sep-17     | 13                   | s-Block element                                  | 2              | 10-Oct-17       | 13           | Application of Derivatives                | 13             | 26-Oct-17     |                             |   |           |
| 14          | Rigid Body Dynamics              | 12             | 06-Oct-17     | 14                   | p-Block element (B & C Family)                   | 3              | 26-Oct-17       | 14           | Indefinite Integration                    | 6              | 13-Nov-17     |                             |   |           |
| 15          | Simple Harmonic Motion           | 7              | 03-Nov-17     | 15                   | Qualitative Analysis - I                         | 5              | 31-Oct-17       | 15           | Definite Integration & Its Application    | 10             | 22-Nov-17     |                             |   |           |
| 16          | String Waves                     | 5              | 13-Nov-17     | 16                   | Electrochemistry                                 | 9              | 13-Nov-17       | 16           | Differential Equations                    | 6              | 07-Dec-17     |                             |   |           |
| 17          | Sound Waves                      | 6              | 21-Nov-17     | 17                   | Metallurgy                                       | 3              | 28-Nov-17       | 17           | Vector & 3-D                              | 13             | 18-Dec-17     |                             |   |           |
| 18          | Electro Magnetic Field (EMF)     | 8              | 01-Dec-17     | 18                   | Chemical Kinetics                                | 7              | 05-Dec-17       | 18           | Complex Number                            | 10             | 05-Jan-18     |                             |   |           |
| 19          | Electro Magnetic Induction (EMI) | 6              | 12-Dec-17     | 19                   | Solution & Colligative Properties                | 7              | 18-Dec-17       | 19           | Conic Section                             | 12             | 22-Jan-18     |                             |   |           |
| 20          | Alternating Current              | 3              | 22-Dec-17     | 20                   | p-Block element (N & O family)                   | 5              | 28-Dec-17       | 20           | Mathematical Reasoning                    | 3              | 09-Feb-18     |                             |   |           |
| 21          | Modern Physics-I                 | 6              | 26-Dec-17     | 21                   | Solid State                                      | 6              | 08-Jan-18       | 21           | Sequence & Series                         | 6              | 14-Feb-18     |                             |   |           |
| 22          | Nuclear Physics                  | 4              | 05-Jan-18     | 22                   | p-block element (Halogen & Noble Gas)            | 2              | 17-Jan-18       | 22           | Solution of Triangle                      | 6              | 22-Feb-18     |                             |   |           |
| 23          | Wave Optics                      | 4              | 10-Jan-18     | 23                   | Thermodynamics & Thermochemistry                 | 8              | 22-Jan-18       |              |   |                |               |                             |   |           |
| 24          | Electromagnetic Wave             | 1              | 17-Jan-18     | 24                   | Qualitative Analysis - II                        | 4              | 05-Feb-18       |              |   |                |               |                             |   |           |
| 25          | Fluid Mechanism                  | 6              | 18-Jan-18     | 25                   | Equivalent Concept                               | 2              | 12-Feb-18       |              |   |                |               |                             |   |           |
| 26          | Surface Tension                  | 2              | 29-Jan-18     | 26                   | d-block elements                                 | 2              | 14-Feb-18       |              |   |                |               |                             |   |           |
| 27          | Elasticity & Viscosity           | 1              | 31-Jan-18     | 27                   | Ionic Equilibrium (Advance)                      | 4              | 20-Feb-18       |              |   |                |               |                             |   |           |
| 28          | KTG & Thermodynamics             | 7              | 01-Feb-18     | ORGANIC              |  |                |                 |              |   |                |               |                             |   |           |
| 29          | Calorimetry & thermal expansion  | 3              | 13-Feb-18     | 1                    | IUPAC Nomenclature & Structural Isomerism        | 5              | 15-Jun-17       |              |   |                |               |                             |   |           |
| 30          | Heat transfer                    | 3              | 16-Feb-18     | 2                    | Structure Identification & POC-I                 | 4              | 03-Jul-17       |              |   |                |               |                             |   |           |
| 31          | Semiconductor                    | 3              | 21-Feb-18     | 3                    | General Organic Chemistry-I & II                 | 14             | 17-Jul-17       |              |   |                |               |                             |   |           |
| 32          | Principal of communication       | 2              | 26-Feb-18     | 4                    | Basic Inorganic Nomenclature                     | 2              | 04-Sep-17       |              |   |                |               |                             |   |           |
| 33          | Error in Measurements            | 2              | 28-Feb-18     | 5                    | Stereoisomerism                                  | 10             | 11-Sep-17       |              |   |                |               |                             |   |           |
|             | <b>Total No. of Lectures</b>     | <b>172</b>     |               | 6                    | Organic Reaction Mechanism-I                     | 5              | 28-Oct-17       |              |   |                |               |                             |   |           |
|             |                                  |                |               | 7                    | Organic Reaction Mechanism-II                    | 6              | 13-Nov-17       |              |   |                |               |                             |   |           |
|             |                                  |                |               | 8                    | Reduction, Oxidation & Hydrolysis                | 2              | 04-Dec-17       |              |   |                |               |                             |   |           |
|             |                                  |                |               | 9                    | Organic Reaction Mechanism-III                   | 4              | 11-Dec-17       |              |   |                |               |                             |   |           |
|             |                                  |                |               | 10                   | Organic Reaction Mechanism-IV                    | 2              | 25-Dec-17       |              |   |                |               |                             |   |           |
|             |                                  |                |               | 11                   | Aromatic Compound                                | 5              | 01-Jan-18       |              |   |                |               |                             |   |           |
|             |                                  |                |               | 12                   | Preparation of Hydrocarbon                       | 1              | 20-Jan-18       |              |   |                |               |                             |   |           |
|             |                                  |                |               | 13                   | Carbonyl Compound                                | 4              | 22-Jan-18       |              |   |                |               |                             |   |           |
|             |                                  |                |               | 14                   | Acid & Derivatives                               | 2              | 05-Feb-18       |              |   |                |               |                             |   |           |
|             |                                  |                |               | 15                   | Biomolecules                                     | 4              | 12-Feb-18       |              |   |                |               |                             |   |           |
|             |                                  |                |               | 16                   | Physical Properties & Chemistry in Everyday Life | 2              | 26-Feb-18       |              |   |                |               |                             |   |           |
|             |                                  |                |               |                      | <b>Total No. of Lectures</b>                     | <b>191</b>     |                 |              | <b>Total No. of Lectures</b>              | <b>172</b>     |               |                             |   |           |

## WEEKLY LECTURE PLANNER (Per Subject)

| Week No. | Week Duration |       | No. of Lecture |     |    |    | Total No. of Lectures | Week No. | Week Duration |       | No. of Lecture   |    |     |    | Total No. of Lectures | Week No. | Week Duration |       | No. of Lecture |    |    |     | Total No. of Lectures |
|----------|---------------|-------|----------------|-----|----|----|-----------------------|----------|---------------|-------|------------------|----|-----|----|-----------------------|----------|---------------|-------|----------------|----|----|-----|-----------------------|
|          | From          | To    | P              | P/I | C  | O  |                       |          | M             | From  | To               | P  | P/I | C  |                       |          | O             | M     | From           | To | P  | P/I |                       |
| W-1      | 12/06         | 17/06 | 02             | 01  | 01 | 02 | 6                     | W-14     | 11/09         | 16/09 | 05               | 03 | 02  | 05 | 15                    | W-27     | 11/12         | 16/12 | 04             | 04 | 02 | 04  | 14                    |
| W-2      | 19/06         | 24/06 | 05             | 03  | 02 | 05 | 15                    | W-15     | 18/09         | 23/09 | 05               | 03 | 02  | 05 | 15                    | W-28     | 18/12         | 23/12 | 05             | 04 | 02 | 05  | 16                    |
| W-3      | 26/06         | 01/07 | 05             | 03  | 02 | 05 | 15                    | W-16     | 25/09         | 30/09 | 05               | 03 | 02  | 05 | 15                    | W-29     | 25/12         | 30/12 | 04             | 04 | 02 | 04  | 14                    |
| W-4      | 03/07         | 08/07 | 05             | 03  | 02 | 05 | 15                    | W-17     | 02/10         | 07/10 | 05               | 03 | 02  | 05 | 15                    | W-30     | 01/01         | 06/01 | 05             | 04 | 02 | 05  | 16                    |
| W-5      | 10/07         | 15/07 | 05             | 03  | 02 | 05 | 15                    | W-18     | 09/10         | 14/10 | 05               | 03 | 02  | 05 | 15                    | W-31     | 08/01         | 13/01 | 04             | 04 | 02 | 04  | 14                    |
| W-6      | 17/07         | 22/07 | 05             | 03  | 02 | 05 | 15                    | W-19     | 16/10         | 21/10 | Diwali Vacations |    |     |    | W-32                  | 15/01    | 20/01         | 05    | 04             | 02 | 05 | 16  |                       |
| W-7      | 24/07         | 29/07 | 05             | 03  | 02 | 05 | 15                    | W-20     | 23/10         | 28/10 | 03               | 02 | 01  | 03 | 9                     | W-33     | 22/01         | 27/01 | 04             | 04 | 02 | 04  | 14                    |
| W-8      | 31/07         | 05/08 | 05             | 03  | 02 | 05 | 15                    | W-21     | 30/10         | 04/11 | 05               | 03 | 02  | 05 | 15                    | W-34     | 29/01         | 03/02 | 05             | 04 | 02 | 05  | 16                    |
| W-9      | 07/08         | 12/08 | 05             | 03  | 02 | 05 | 15                    | W-22     | 06/11         | 11/11 | 05               | 03 | 02  | 05 | 15                    | W-35     | 05/02         | 10/02 | 04             | 04 | 02 | 04  | 14                    |
| W-10     | 14/08         | 19/08 | 05             | 03  | 02 | 05 | 15                    | W-23     | 13/11         | 18/11 | 04               | 04 | 02  | 04 | 14                    | W-36     | 12/02         | 17/02 | 05             | 04 | 02 | 05  | 16                    |
| W-11     | 21/08         | 26/08 | 05             | 03  | 02 | 05 | 15                    | W-24     | 20/11         | 25/11 | 04               | 04 | 02  | 05 | 15                    | W-37     | 19/02         | 24/02 | 05             | 03 | 02 | 05  | 15                    |
| W-12     | 28/08         | 02/09 | 05             | 03  | 02 | 05 | 15                    | W-25     | 27/11         | 02/12 | 04               | 04 | 02  | 04 | 14                    | W-38     | 26/02         | 03/03 | 04             | 02 | 02 | 04  | 12                    |
| W-13     | 04/09         | 09/09 | 05             | 03  | 02 | 05 | 15                    | W-26     | 04/12         | 09/12 | 05               | 04 | 02  | 05 | 16                    |          |               |       |                |    |    |     |                       |

# PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

| S. Test Type and No.       | Periodic Test Date  | Test Pattern   | First Display (Notice Board) & Communication to parent with Centre Rank | Display & Communication of Final Result with All Resonance Rank (ARR) | Uploading of Result on Resonance Website | Physics  | Periodic Test Syllabus  |   |   | Testing Hours |
|----------------------------|---------------------|----------------|---|---|--|--|---|---|---|---------------|
|                            |                     |                |   |   |  |  | Chemistry   |   | Mathematics   |               |
|                            |                     |                |   |   |  |  | Physical/ Inorganic   | Organic   |   |               |
| 1                          | 16-07-17 (Sunday)   | JEE (Advanced) | 20-07-17 (Thursday)   | 25-07-17 (Tuesday)  | 27-07-17 (Thursday)                      | Rectilinear motion, Projectile motion, Relative motion, Geometrical optics (upto TIR)  | Mole Concept + Quantum Mechanical model of atom (QM), Periodic Table, (All Cheminifos and Handouts Till date)   | IUPAC Nomenclature & Structural Isomerism   | Fundamentals of Mathematics, Quadratic Equations (excepts comm roots)   | 6             |
| 2                          | 06-08-17 (Sunday)   | JEE (Advanced) | 10-08-17 (Thursday)   | 15-08-17 (Tuesday)  | 17-08-17 (Thursday)                      | Rectilinear motion, Projectile motion, Relative motion, Geometrical optics, NLM, Friction  | Mole concept, QMM, Periodic Table & Real Gas (All Cheminifos and Handouts Till date)  | IUPAC Nomenclature, Structure identification, POC-I, GOC-I (upto Mesomeric effect)    | FDM, Quadratic Equation, Matrices & Determinant, Straight Line (upto angle bisectors)   | 6             |
| 3                          | 27-09-17 (Sunday)   | JEE (Advanced) | 31-08-17 (Thursday)   | 05-09-17 (Tuesday)  | 07-09-17 (Thursday)                      | G.O, NLM, Friction, WPE, Circular motion, Electrostatics upto coulombs law   | Real Gas, Chemical Bonding (All Cheminifos and Handouts Till date)  | GOC-I & GOC-II (upto intermediate)  | Matrices & Determinant, Straight Line, Circle, Binomial Theorem (Upto summation of series)  | 6             |
| 4                          | 17-09-17 (Sunday)   | JEE (Main)     | 21-09-17 (Thursday)   | 26-09-17 (Tuesday)  | 28-09-17 (Thursday)                      | Rectilinear motion, Projectile motion, Relative motion, Geometrical optics, NLM, Friction, WPE, Circular motion, Electrostatics, Gravitation   | Mole concept, QMM, Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (Elementary) (upto Buffer solution) (All Cheminifos and Handouts Till date)  | IUPAC Nomenclature, Structure Identification, POC-I, GOC-I & II, BIN                  | FDM, Quadratic Equation, Matrices & Determinant, Statistics, Straight Line, Circle, Binomial Theorem, P & C, Probability (Upto conditional probability)   | 3             |
| 5                          | 08-10-17 (Sunday)   | JEE (Advanced) | 12-10-17 (Thursday)   | 17-10-17 (Tuesday)  | 19-10-17 (Thursday)                      | Rectilinear motion, Projectile motion, Relative motion, Geometrical optics, NLM, Friction, WPE, Circular motion, Electrostatics, Current electricity, Capacitance, COM, upto impulse   | Mole concept, QMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic s-block elements (All Cheminifos and Handouts Till date)   | GOC-I & II, BIN, Stereoisomerism (upto relation among stereoisomers)                  | FDM, Quadratic Equation, Matrices & Determinant, Straight Line, Circle, Binomial Theorem, P & C, Probability, Function & IFF (Upto Function not inverse trigonometric function)   | 6             |
| 6                          | 05-11-17 (Sunday)   | JEE (Main)     | 09-11-17 (Thursday)   | 14-11-17 (Tuesday)  | 16-11-17 (Thursday)                      | Rectilinear, Projectile & Relative motion, GO, NLM, Friction, WPE, Circular Motion, Electrostatics, Gravitation, Current electricity, Capacitance, COM, RBD  | Mole concept, QMM, Periodic table, Real Gas, Chemical Bonding, Chemical & Ionic Equilibrium (elementary), Coordination compounds, Surface Chemistry, s-block elements (All Cheminifos and Handouts Till date)   | Stereoisomerism, Organic reaction mechanisms-I (upto reaction of acidic hydrogen)     | FDM, Quadratic Equation, Matrices & Determinant, Statistics, Straight Line, Circle, Binomial Theorem, P & C, Probability, Sets & Relation, Function & IFF, Limits, Continuity & Derivability  | 3             |
| 7                          | 26-11-17 (Sunday)   | JEE (Advanced) | 30-11-17 (Thursday)   | 05-12-17 (Tuesday)  | 14-12-17 (Thursday)                      | Electrostatics, Gravitation, Current electricity, Capacitance, Centre of mass, RBD, SHM, Spring wave   | Chemical Equilibrium, Ionic Equilibrium (elementary), Coordination compounds, Surface chemistry, s-block elements, Qualitative Analysis (anion), Electrochemistry (upto Concentration cells) (All Cheminifos and Handouts Till date)  | Stereoisomerism, Organic reaction mechanisms-I & II (upto FCR reaction)               | P & C, Probability, Function & IFF, Limits, Continuity & Derivability, Application of Derivatives   | 6             |
| 8                          | 10-12-17 (Sunday)   | JEE (Main)     | 14-12-17 (Thursday)   | 19-12-17 (Tuesday)  | 21-12-17 (Thursday)                      | Rectilinear, Projectile & Relative motion, GO, NLM, Friction, WPE, Circular Motion, Electrostatics, Gravitation, Current electricity, Capacitance, COM, RBD, SHM, Spring wave, sound wave, EMF upto Bot soavart's law          | Mole concept, QMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Ionic Equilibrium (elementary), Coordination compounds, Surface Chemistry, s-block elements, Qualitative Analysis (anion), electro-chemistry, Metallurgy (All Cheminifos and Handouts Till date) | Stereoisomerism, Organic reaction mechanisms-I & II                                   | FDM, Quadratic Equation, Matrices & Determinant, Statistics, Straight Line, Circle, Binomial Theorem, P & C, Probability, Sets & Relation, Function & IFF, ADD, Limits, Continuity & Derivability, Indefinite Integration, Definite Integration (Upto P-5)        | 3             |
| 9                          | 31-12-17 (Sunday)   | JEE (Advanced) | 04-01-18 (Thursday)   | 09-01-18 (Tuesday)  | 11-01-18 (Thursday)                      | Rectilinear motion, Projectile & Relative motion, Geometrical optics, NLM, Friction, WPE, Circular motion, Electrostatics, Gravitation, Current electricity, Capacitance, COM, RBD, SHM, Spring wave, sound wave, EMF, EMI, AC | Electrochemistry, Metallurgy, Chemical Kinetics & p-Block Elements (Boron & Carbon family), Solution & Colligative Properties (upto Raoult's law) (All Cheminifos and Handouts Till date)   | ORM-I & II, reduction oxidation, hydrolysis & ORM-II                                  | Fundamentals of Mathematics, Quadratic Equation, Matrices & Determinant, Straight Line, Circle, Binomial Theorem, P & C, Probability, Function & IFF, Limits, Continuity & Derivability, Application of Derivatives, Indefinite Integration, Definite Integration | 6             |
| 10                         | 14-01-18 (Sunday)   | JEE (Advanced) | 18-01-18 (Thursday)   | 23-01-18 (Tuesday)  | 25-01-18 (Thursday)                      | Sound wave, EMF, EMI, AC, Modern Physics-I, Nuclear physics  | Electrochemistry, Metallurgy, Chemical Kinetics & p-Block Elements (Boron & Carbon family), Solution & Colligative Properties (All Cheminifos and Handouts Till date)   | Reduction oxidation, hydrolysis & ORM-III, IV & Aromatic compound (upto Phenol)       | Application of Derivatives, Indefinite Integration, Definite Integration, Differential Equation, Vector & -3D (upto vector product of two vector)   | 6             |
| 11                         | 28-01-18 (Sunday)   | JEE (Main)     | 01-02-18 (Thursday)   | 06-02-18 (Tuesday)  | 08-02-18 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 3             |
| 12                         | 11-02-18 (Sunday)   | JEE (Advanced) | 15-02-18 (Thursday)   | 20-02-18 (Tuesday)  | 22-02-18 (Thursday)                      | Wave optics, Fluid mechanics, Surface tension, Elasticity and viscosity, KTG and thermodynamics (upto first law)   | Solution & Colligative Properties, p-block elements (13 to 18), Thermodynamic & Thermochemistry (All Cheminifos and Handouts Till date)   | Reduction oxidation, hydrolysis & ORM-III, IV & Aromatic compound, Carbonyl compounds | Vector & 3-D, Complex Number, Conic Section (Parabola)  | 6             |
| 13                         | 25-02-18 (Sunday)   | JEE (Advanced) | 01-03-18 (Thursday)   | 06-03-18 (Tuesday)  | 08-03-18 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 6             |
| 14                         | 04-03-18 (Sunday)   | JEE (Main)     | 08-03-18 (Thursday)   | 13-03-18 (Tuesday)  | 15-03-18 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 3             |
| 15                         | 06-03-18 (Advanced) | JEE (Advanced) | 08-03-18 (Thursday)   | 13-03-18 (Tuesday)  | 15-03-18 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 6             |
| 16                         | 11-03-18 (Sunday)   | JEE (Main)     | 15-03-18 (Thursday)   | 20-03-18 (Tuesday)  | 22-03-18 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 3             |
| 17                         | 18-03-18 (Sunday)   | JEE (Main)     | 22-03-18 (Thursday)   | 27-03-18 (Tuesday)  | 29-03-18 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 3             |
| 18                         | 29-04-18 (Sunday)   | JEE (Advanced) | 03-05-18 (Thursday)   | 08-03-18 (Tuesday)  | 10-03-18 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 6             |
| 19                         | 13-05-18 (Sunday)   | JEE (Advanced) | 17-05-18 (Thursday)   | 22-05-18 (Tuesday)  | 24-05-18 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 6             |
| <b>Total Testing Hours</b> |                     |                |   |   |  |  |   |   |   | <b>93</b>     |

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 PTrs/ CTs (except BPTs).  
3. Student can submit their request for re-evaluation in two working days after first display of result.

## 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   | 0        | 0     | 0  | 0        | 0           | 14     | Week-14  | 28,29,30         | 16,17 | 13 | 28,29,30 | 9           | 27      | Week-27  | 11,12,13 | 7,8   | 5     | 11,12,13   | 9           |
| 2                           | Week-2   | A1,2     | A1    | A1 | A1,2     | 6           | 15     | Week-15  | 31,32            | 18    | 14 | 31,32    | 6           | 28      | Week-28  | 14,15    | 9     | 6     | 14,15      | 6           |
| 3                           | Week-3   | 3,4      | 2     | 2  | 3,4      | 6           | 16     | Week-16  | 33,34,35         | 19,20 | 15 | 33,34,35 | 9           | 29      | Week-29  | 16,17    | 10    | 7     | 16,17      | 6           |
| 4                           | Week-4   | 5,6      | 3     | 3  | 5,6      | 6           | 17     | Week-17  | 36,37,38         | 21,22 | 16 | 36,37,38 | 9           | 30      | Week-30  | 18,19    | 11    | 8     | 18,19      | 6           |
| 5                           | Week-5   | 7,8      | 4     | 4  | 7,8      | 6           | 18     | Week-18  | 39,40            | 23    | 17 | 39,40    | 6           | 31      | Week-31  | 20,21,22 | 12,13 | 9     | 20,21,22   | 9           |
| 6                           | Week-6   | 9,10     | 5     | 5  | 9,10     | 6           | 19     | Week-19  | Diwali Vacations |       |    |          | 32          | Week-32 | 23,24    | 14       | 10    | 23,24 | 6          |             |
| 7                           | Week-7   | 11,12    | 6     | 6  | 11,12    | 6           | 20     | Week-20  | 41,42            | 24    | 18 | 41,42    | 6           | 33      | Week-33  | 25,26,27 | 15,16 | 11    | 25,26,27   | 9           |
| 8                           | Week-8   | 13,14    | 7     | 7  | 13,14    | 6           | 21     | Week-21  | 43,44,45         | 25,26 | 19 | 43,44,45 | 9           | 34      | Week-34  | 28,29    | 17    | 12    | 28,29      | 6           |
| 9                           | Week-9   | 15,16    | 8     | 8  | 15,16    | 6           | 22     | Week-22  | 46,47            | 27    | 20 | 46,47    | 6           | 35      | Week-35  | 30,31,32 | 18,19 | 13    | 30,31,32   | 9           |
| 10                          | Week-10  | 17,18,19 | 9,10  | 9  | 17,18,19 | 9           | 23     | Week-23  | B1,2             | B1    | B1 | B1,2     | 6           | 36      | Week-36  | 33,34    | 20    | 14    | 33,34      | 6           |
| 11                          | Week-11  | 20,21,22 | 11,12 | 10 | 20,21,22 | 9           | 24     | Week-24  | 3,4,5            | 2,3   | 2  | 3,4,5    | 9           | 37      | Week-37  | 35,36    | 21    | 15    | 35,36      | 6           |
| 12                          | Week-12  | 23,24    | 13    | 11 | 23,24    | 6           | 25     | Week-25  | 6,7              | 4     | 3  | 6,7      | 6           | 38      | Week-38  | 0        | 0     | 0     | 0          | 0           |
| 13                          | Week-13  | 25,26,27 | 14,15 | 12 | 25,26,27 | 9           | 26     | Week-26  | 8,9,10           | 5,6   | 4  | 8,9,10   | 9           | 39      | Week-39  | 0        | 0     | 0     | 0          | 0           |
| <b>Total Number of DPPs</b> |          |          |       |    |          |             |        |          |                  |       |    |          |             |         |          |          |       |       | <b>249</b> |             |

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

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