

**COURSE PLANNER FOR STUDENTS: CLASS-XIII | AJAY (ER01)**

**Target: JEE (Main) 2019 | Medium: English | Hindi**

**Course Ends: 03.03.2019**

| PHYSICS (PI) |                                   |                |               | CHEMISTRY (IC)            |  |                |               | 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            | CURRENT ELECTRICITY               | 6              | 03.09.18      | <b>PHYSICAL/INORGANIC</b> |  |                |               | 1                | MATRICES & DETERMINANT                 | 9              | 03.09.18      |
| 2            | CAPACITANCE                       | 6              | 11.09.18      | 1                         | METALLURGY   | 3              | 03.09.18      | 2                | STRAIGHT LINE                          | 10             | 14.09.18      |
| 3            | CIRCULAR MOTION                   | 5              | 19.09.18      | 2                         | IONIC EQUILIBRIUM (ELEMENTARY)                               | 7              | 10.09.18      | 3                | CIRCLE                                 | 7              | 28.09.18      |
| 4            | CENTRE OF MASS                    | 7              | 26.09.18      | 3                         | EQUIVALENT CONCEPT   | 2              | 25.09.18      | 4                | CONIC SECTION                          | 14             | 09.10.18      |
| 5            | RIGID BODY DYNAMICS               | 14             | 05.10.18      | 4                         | COORDINATION COMPOUNDS                                       | 8              | 01.10.18      | 5                | MATHEMATICAL REASONING                 | 3              | 29.10.18      |
| 6            | SIMPLE HARMONIC MOTION            | 9              | 25.10.18      | 5                         | ELECTROCHEMISTRY   | 7              | 17.10.18      | 6                | SETS & RELATION                        | 2              | 01.11.18      |
| 7            | STRING WAVE                       | 5              | 17.11.18      | 6                         | CHEMICAL KINETICS  | 7              | 15.11.18      | 7                | VECTOR & 3-D                           | 13             | 15.11.18      |
| 8            | SOUND WAVE                        | 7              | 23.11.18      | 7                         | SOLUTION & COLLIGATIVE PROPERTIES                            | 7              | 28.11.18      | 8                | INDEFINITE INTEGRATION                 | 6              | 03.12.18      |
| 9            | WAVE OPTICS                       | 4              | 04.12.18      | 8                         | SOLID STATE  | 6              | 07.12.18      | 9                | DEFINITE INTEGRATION & ITS APPLICATION | 12             | 11.12.18      |
| 10           | EM WAVE                           | 1              | 10.12.18      | 9                         | THERMODYNAMICS & THERMOCHEMISTRY                             | 8              | 19.12.18      | 10               | DIFFERENTIAL EQUATION                  | 5              | 27.12.18      |
| 11           | SEMICONDUCTOR                     | 3              | 11.12.18      | 10                        | D & F-BLOCK ELEMENT  | 3              | 31.12.18      | 11               | BINOMIAL THEOREM                       | 8              | 03.01.19      |
| 12           | POC                               | 2              | 14.12.18      | 11                        | p-BLOCK ELEMENTS (B & C FAMILY)                              | 2              | 03.01.19      | 12               | BINOMIAL THEOREM                       | 7              | 14.01.19      |
| 13           | EMF                               | 6              | 18.12.18      | 12                        | p-BLOCK(N & O)   | 4              | 07.01.19      | 13               | PERMUTATION & COMBINATION              | 8              | 24.01.19      |
| 14           | EMI                               | 6              | 26.12.18      | 13                        | p-BLOCK ELEMENTS (B & C FAMILY)                              | 2              | 14.01.19      | 14               | PROBABILITY                            | 5              | 01.02.19      |
| 15           | ALTERNATING CURRENT               | 2              | 03.01.19      | 14                        | p-BLOCK(N & O)   | 5              | 16.01.19      | 15               | COMPLEX NUMBER                         | 8              | 08.02.19      |
| 16           | MODERN PHYSICS-I                  | 5              | 07.01.19      | 15                        | SURFACE CHEMISTRY  | 4              | 24.01.19      | 16               | SEQUENCE & SERIES                      | 5              | 19.02.19      |
| 17           | ALTERNATING CURRENT               | 2              | 14.01.19      | 16                        | s-BLOCK  | 4              | 30.01.19      | 17               | SOLUTION OF TRIANGLE                   | 3              | 26.02.19      |
| 18           | MODERN PHYSICS-I                  | 5              | 16.01.19      | 17                        | P-BLOCK (HALOGEN & NOBLE GASES)                              | 3              | 06.02.19      |                  |  |                |               |
| 19           | NUCLEAR PHYSICS                   | 4              | 22.01.19      | 18                        | QUALITATIVE ANALYSIS-1                                       | 3              | 12.02.19      |                  |  |                |               |
| 20           | FLUID MECHANICS                   | 4              | 28.01.19      | 19                        | QUALITATIVE ANALYSIS-2                                       | 4              | 18.02.19      |                  |  |                |               |
| 21           | SURFACE TENSION                   | 3              | 01.02.19      | <b>ORGANIC</b>            |  |                |               |                  |  |                |               |
| 22           | ELASTICITY AND VISCOSITY          | 3              | 06.02.19      | 1                         | STEREISOIMERISM  | 5              | 03.09.18      |                  |  |                |               |
| 23           | KTG AND THERMODYNAMICS            | 8              | 09.02.19      | 2                         | ORM-I  | 5              | 18.09.18      |                  |  |                |               |
| 24           | CALORIMETRY AND THERMAL EXPANSION | 3              | 19.02.19      | 3                         | ORM-II   | 6              | 08.10.18      |                  |  |                |               |
| 25           | HEAT TRANSFER                     | 5              | 22.02.19      | 4                         | REDUCTION, OXIDATION & HYDROLYSIS                            | 3              | 29.10.18      |                  |  |                |               |
|              | <b>Total No. of Lectures</b>      | <b>125</b>     |               | 5                         | ORM-III  | 4              | 19.11.18      |                  |  |                |               |
|              |                                   |                |               | 6                         | ORM-IV   | 3              | 28.11.18      |                  |  |                |               |
|              |                                   |                |               | 7                         | AROMATIC COMPOUND  | 4              | 05.12.18      |                  |  |                |               |
|              |                                   |                |               | 8                         | CARBONYL COMPOUNDS   | 2              | 18.12.18      |                  |  |                |               |
|              |                                   |                |               | 9                         | ACID & DERIVATIVES   | 1              | 24.12.18      |                  |  |                |               |
|              |                                   |                |               | 10                        | BIOMOLECULES   | 2              | 03.01.19      |                  |  |                |               |
|              |                                   |                |               | 11                        | POLYMER  | 1              | 07.01.19      |                  |  |                |               |
|              |                                   |                |               | 12                        | PHYSICAL PROPERTIES & CHEMISTRY IN EVERYDAY LIFE             | 1              | 09.01.19      |                  |  |                |               |
|              |                                   |                |               | 13                        | BIOMOLECULES   | 2              | 14.01.19      |                  |  |                |               |
|              |                                   |                |               | 14                        | POLYMER  | 1              | 21.01.19      |                  |  |                |               |
|              |                                   |                |               | 15                        | PHYSICAL PROPERTIES & CHEMISTRY IN EVERYDAY LIFE             | 1              | 22.01.19      |                  |  |                |               |
|              |                                   |                |               | 16                        | GOC-I & GOC-II (REVISION)                                    | 1              | 24.01.19      |                  |  |                |               |
|              |                                   |                |               | 17                        | STEREISOIMERISM (REVISION)                                   | 1              | 27.01.19      |                  |  |                |               |
|              |                                   |                |               | 18                        | REACTION MECHANISM (REVISION) ORM-I                          | 1              | 28.01.19      |                  |  |                |               |
|              |                                   |                |               | 19                        | REACTION MECHANISM (REVISION) ORM-II                         | 1              | 29.01.19      |                  |  |                |               |
|              |                                   |                |               | 20                        | REACTION MECHANISM (REVISION) ORM-III                        | 1              | 04.02.19      |                  |  |                |               |
|              |                                   |                |               | 21                        | REACTION MECHANISM (REVISION) ORM-IV                         | 1              | 05.02.19      |                  |  |                |               |
|              |                                   |                |               | 22                        | BIOMOLECULES (REVISION)                                      | 2              | 11.02.19      |                  |  |                |               |
|              |                                   |                |               | 23                        | REDUCTION, OXIDATION & HYDROLYSIS                            | 1              | 18.02.19      |                  |  |                |               |
|              |                                   |                |               | 24                        | POYMERS, CHEMISTRY IN EVERYDAY LIFE, ENVIRONMENTAL CHEMISTRY | 1              | 25.02.19      |                  |  |                |               |
|              |                                   |                |               |                           | <b>Total No. of Lectures</b>                                 | <b>200</b>     |               |                  | <b>Total No. of Lectures</b>           | <b>125</b>     |               |

**Important Notice: Due to JEE (Main) exam date lie between 3<sup>rd</sup> Jan to 23<sup>rd</sup> Jan 2019 the topic taught between 3<sup>rd</sup> Jan to 12<sup>th</sup> Jan will get repeated on 14<sup>th</sup> Jan to 23<sup>rd</sup> Jan**

**Topic wise Test (TWT) & Accelerated Completion Package (ACP) Schedule**  
Period: 05<sup>th</sup> Nov to 14<sup>th</sup> Nov 18

**IMPORTANT NOTE:**

| PHYSICS |                                   | CHEMISTRY |                                      | MATHS  |                           |
|---------|-----------------------------------|-----------|--------------------------------------|--------|---------------------------|
| S. No.  | Topic Name/Sequence               | S. No.    | Topic Name/Sequence                  | S. No. | Topic Name/Sequence       |
| 1       | Alternating Current               | 1         | S-block                              | 1      | Binomial Theorem          |
| 2       | Modern Physics                    | 2         | p-block                              | 2      | Permutation & Combination |
| 3       | Nuclear Physics                   | 3         | Surface Chemistry                    | 3      | Probability               |
| 4       | Fluids                            | 4         | Carbonyl Compound & Acid Derivatives | 4      | Complex Number            |
| 5       | Surface Tension                   | 5         | Biomolecules                         | 5      | Sequence & Series         |
| 6       | Elasticity & Viscosity            | 6         | Polymer                              | 6      | Solution of Triangle      |
| 7       | KTG & Thermodynamics              | 7         | Chemistry in Everyday Life           |        |                           |
| 8       | Calorimetry                       |           |                                      |        |                           |
| 9       | Thermal Expansion & Heat Transfer |           |                                      |        |                           |

**05<sup>th</sup> Nov to 14<sup>th</sup> Nov 2018, Topic Wise Test (TWT)** will be available in students login.  
(a) Chapter wise tests targeting **JEE (Main)** revision.  
(b) Student can **create** his own three hours test paper by selecting own choice of **TWT** each from PCM.  
(c) ACP study material will be provided on 1<sup>st</sup> week of November, 2018.

**Holidays/Vacations (Total: 11-Days):** 1. Deepawali Holidays: From 05<sup>th</sup> November, 2018 (Monday) to 14<sup>th</sup> November, 2018 (Wednesday): 10 Days, 2. Republic Day: 26<sup>th</sup> January, 2019: 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)

**RESONANCE EDVENTURES LTD.**

**JEE-MAIN DIVISION CAMPUS:** CG Tower -2, [A-51 (A)], IPIA, Behind City Mall, Jhalawar Road, Kota (Raj.)-05 | **Contact:** 08505099972, 08505099973  
**Reg. & Corporate Office:** CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj) - 324005 | **CIN:** U80302RJ2007PLC024029

# PERIODIC TEST SCHEDULE & RESULT COMMUNICATION

Test Pattern: JEE (Main)

| S. No. | Periodic Test Type and No. | Mode                   | Periodic Test Date  | 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  |   | Mathematics   | Testing Hours |
|--------|----------------------------|------------------------|---------------------|---|---|--|--|---|---|---|---------------|
|        |                            |                        |                     |   |   |  |  | Physical/ Inorganic   | Chemistry   |   |               |
| 1      | MCT-2                      | Offline                | 16-09-18 (Sunday)   | 20-09-18 (Thursday)   | 25-09-18 (Tuesday)  | 27-09-18 (Thursday)                      | Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical optics, NLM, Friction, WPE, Circular Motion, Electrostatics, Gravitation, Current electricity  | Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Metallurgy, Ionic equilibrium (up to Salt hydrolysis (WA + SB, SA + WB, WA + WB) (All Cheminfos and Handouts Till date)   | Structure Identification & POC-I, GOC-I & II  | Fundamentals of Mathematics, Quadratic Equation, Function & IIT, Limits, Continuity & Derivability, Application of Derivatives, Statistics, Matrices & Determinant (Up to Determinants)   | 3             |
| 2      | MPT3                       | Online                 | 14-10-18 (Sunday)   | 18-10-18 (Thursday)   | 23-10-18 (Tuesday)  | 25-10-18 (Thursday)                      | Electrostatics, Gravitation, Current electricity, capacitance, Circular Motion, Centre of mass (up to Impulse), Error, Screw gauge   | Metalurgy, Ionic Equilibrium, Equivalent.   | Stereoisomerism, (Geometrical Optical) & ORM-I  | Limits, Continuity & Derivability, Application of Derivatives, Statistics, Matrices & Determinant, Straight Line  | 3             |
| 3      | MCT3                       | Offline                | 28-10-18 (Sunday)   | 01-11-18 (Thursday)   | 06-11-18 (Tuesday)  | 08-11-18 (Thursday)                      | Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical optics, NLM, Friction, WPE, Circular Motion, Electrostatics, Gravitation, Current electricity, capacitance, Centre of Mass & Rigid Body Dynamics   | Mole Concept, QMM, Periodic Table, Real Gas, Chemical Bonding, Chemical Equilibrium, Metallurgy, Ionic Equilibrium (Elementary), Equivalent Concept, $\alpha$ -Block Element, Coordination compounds, Electrochemistry (Up to Concentration cells) (All Cheminfos & Handouts Till date)                           | Stereoisomerism, ORM-I & ORM-II complete.   | Fundamentals of Mathematics, Quadratic Equation, Function & IIT, Limits, Continuity & Derivability, Application of Derivatives, Statistics, Matrices & Determinant, Straight Line, Circle   | 3             |
| 4      | MPT4                       | Online                 | 25-11-18 (Sunday)   | 29-11-18 (Thursday)   | 04-12-18 (Tuesday)  | 06-12-18 (Thursday)                      | Centre of Mass, Rigid Body Dynamics, Simple Harmonic Motion, Measurement and error   | Coordination compounds, Electrochemistry.   | Organic reaction mechanisms-I, II, Reduction & Oxidation reactions  | Straight Line, Circle, Conic Section  | 3             |
| 5      | MCT4                       | Offline                | 16-12-18 (Sunday)   | 20-12-18 (Thursday)   | 25-12-18 (Tuesday)  | 27-12-18 (Thursday)                      | Rectilinear Motion, Projectile Motion, Relative Motion, Geometrical optics, NLM, Friction, WPE, Circular Motion, Electrostatics, Gravitation, Current electricity, capacitance, Centre of Mass & RBD, SHM, String Waves, Sound waves, Wave Optics, EMW & Measurement and error | Mole concept, QMM, Periodic table, Real Gas, Chemical Bonding, Chemical Equilibrium, Metallurgy, Ionic Equilibrium (elementary), Equivalent Concept, $\alpha$ -Block Element, Coordination compounds, Electrochemistry, Chemical Kinetics, Solution & Colligative Properties (All Cheminfos & Handouts Till date) | ORM-III, IV & Phenol.   | Fundamentals of Mathematics, Quadratic Equation, Function & IIT, Limits, Continuity & Derivability, Application of Derivatives, Statistics, Matrices & Determinant, Straight Line, Circle, Conic Section, Mathematical Reasoning, Sets & Relation, Vector & 3-D | 3             |
| 6      | AIOT1                      | Online + Offline       | 23-12-18 (Sunday)   | 27-12-18 (Thursday)   | 01-01-19 (Tuesday)  | 03-01-19 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 3             |
| 7      | MMT                        | Online                 | 29-12-18 (Saturday) | 03-01-19 (Thursday)   | 08-01-19 (Tuesday)  | 10-01-19 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 3             |
| 8      | MPT5                       | Online                 | 03-02-19 (Sunday)   | 07-02-19 (Thursday)   | 12-02-19 (Tuesday)  | 14-02-19 (Thursday)                      | Electrostatics, Gravitation, Current electricity, capacitance, Circular motion, Centre of Mass, Rigid Body Dynamics, Simple harmonic motion, string waves, sound waves, wave optics, EMF, EMI, Alternating current, Modern Physics, Nuclear physics.                           | Chemical Kinetics, Solution & Colligative Properties, Solid State, Thermodynamics, p-Block (13 to 16 Group)   | Vector & 3-D, Indefinite Integration, Definite Integration & Its Application, Differential Equation, Binomial Theorem | 3   |               |
| 9      | AIOT2                      | Online + Offline       | 17-02-19 (Sunday)   | 21-02-19 (Thursday)   | 26-02-19 (Tuesday)  | 28-02-19 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 3             |
| 10     | MT                         | —                      | 03-03-19 (Sunday)   | 07-03-19 (Thursday)   | 12-03-19 (Tuesday)  | 14-03-19 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 3             |
| 11     | JPT1                       | Online + Offline       | 10-03-19 (Sunday)   | 14-03-19 (Thursday)   | 19-03-19 (Tuesday)  | 21-03-19 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 3             |
| 12     | JPT2                       | Online + Offline       | 17-03-19 (Sunday)   | 21-03-19 (Thursday)   | 26-03-19 (Tuesday)  | 28-03-19 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 3             |
| 13     | JPT3 + JPT4                | Online (Student login) | 24-03-19 (Sunday)   | 28-03-19 (Thursday)   | 02-04-19 (Tuesday)  | 04-04-19 (Thursday)                      | Full Syllabus  | Full Syllabus   | Full Syllabus   | Full Syllabus   | 3             |

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

**Total Testing Hours**

**39**