

[For English Medium Students]

## PHYSICS

### Test No. Topic Covered

01	Basic Mathematics used in Physics, Vectors, Units & Dimensions and Measurement
02	Kinematics
03	Laws of Motion and Friction
04	Syllabus of Test # 1, 2 & 3
05	Work, Energy & Power
06	Centre of Mass & Collisions
07	Rotational Motion
08	Syllabus of Test # 5, 6 & 7
09	Thermal Physics (Thermal Expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics)
10	Gravitation, Properties of matter and Fluid Mechanics
11	Simple Harmonic Motion
12	Waves (String & Sound waves)
13	Syllabus of Test # 9, 10, 11 & 12
14	Full Syllabus
15	Full Syllabus
16	Full Syllabus
17	Full Syllabus

## CHEMISTRY

### Test No. Topic Covered

01	Mole Concept
02	Atomic structure
03	Periodic properties, Basic inorganic nomenclature.
04	Syllabus of Test # 1, 2 & 3
05	Chemical Bonding
06	Redox & equivalent concept, Chemical Equilibrium.
07	Organic nomenclature, Basic principles of practical organic chemistry, State of matter (gaseous state)
08	Syllabus of Test # 5, 6 & 7
09	Ionic Equilibrium, Acid Base theory, s-block elements & hydrogen, Boron & Carbon family.
10	GOC (application of electronic effect, aromaticity, application of Inductive, Resonance, Hyperconjugation effect on stability of intermediates).
11	GOC (acidic & basic strength), isomerism (Geometrical & Structural).
12	Alkane, Alkenes & Alkynes, Chemical thermodynamics & Thermochemistry, Aromatic hydrocarbon, environmental chemistry.

13	Syllabus of Test # 9, 10, 11 & 12
14	Full Syllabus
15	Full Syllabus
16	Full Syllabus
17	Full Syllabus

## MATHEMATICS

### Test No. Topic Covered

01	**Logarithms, Trigonometric Ratios and Identities.
02	Quadratic Equations & *Linear Inequalities
03	Trigonometric Equations, **Solution of Triangles, *Height and Distance
04	Syllabus of Test # 1, 2 & 3
05	Point and Straight Line
06	Circle
07	Sequences and Series
08	Syllabus of Test # 5, 6 & 7
09	Permutation & Combination and Binomial Theorem
10	Complex Numbers, *Principle of Mathematical Induction
11	Parabola, Ellipse & Hyperbola
12	Functions, [Limits and Derivatives and Three Dimensional Geometry, Probability (All Elementary Level)], *[Sets, Relation, Statistics, Mathematical Reasoning]
13	Syllabus of Test # 9, 10, 11 & 12
14	Full Syllabus
15	Full Syllabus
16	Full Syllabus
17	Full Syllabus

\*MARKED TOPIC / TOPICS ARE ONLY IN JEE - MAIN SYLLABUS,

\*\*MARKED TOPIC / TOPICS ARE ONLY IN JEE - ADVANCED SYLLABUS

## JEE (Advanced) Result 2018



# AIR-9

Lay Jain  
Classroom