

**Syllabus of DRISHTI SIT DOWN Test Series 2016-17 for JEE MAIN , JEE ADVANCED, AIPMT (Medical) - VER.-3**

| Part Syllabus Test - I   |  |
|--------------------------|--|
| <b>PHYSICS :-</b>        | Units & Dimensions, Vector, Kinematics, Newton's Laws, Friction, Circular motion, Work-Power-Energy,   |
| <b>CHEMISTRY :-</b>      | Stoichiometry and volumetric analysis (i.e. methods for concentration ,titrations etc.), Atomic structure, <u>Theory of dilute solutions, Solid state,</u>   |
| <b>MATHEMATICS :-</b>    | *Set, <u>*Relation, Function, Inverse Trigonometric Functions, Limit, Continuity &amp; Differentiability,</u> Quadratic Equation   |
| <b>BIOLOGY :-</b>        | <b>Botany:</b> Plant Kingdom <b>Zoology:</b> Digestive system and tissue.  |
| Part Syllabus Test - II  |  |
| <b>PHYSICS :-</b>        | Momentum & Centre of Mass, Rigid Body Dynamics, Gravitation, SHM,  |
| <b>CHEMISTRY :-</b>      | Periodic table, Chemical bonding, Naming of organic compounds and isomerism between them(including stereochemistry), GOC (EP and NP substitution and elimination reactions & EASR)   |
| <b>MATHEMATICS :-</b>    | <u>Differentiation, Application of Derivatives, Point &amp; Straight Line, Progression,</u>  |
| <b>BIOLOGY :-</b>        | <b>Botany:</b> Biological classification, Cytology. <b>Zoology:</b> Respiration, Circulatory system.   |
| Part Syllabus Test - III |  |
| <b>PHYSICS :-</b>        | <u>Heat &amp; thermodynamics, Wave &amp; Sound.</u>  |
| <b>CHEMISTRY :-</b>      | <u>Chemical kinetics and nuclear chemistry, Gaseous state,</u> Hydrocarbons, <u>Alkyl and arylhalides, Quantitative &amp; Qualitative estimation of some elements in organic compounds (like C,H,O,N,S,P)</u>  |
| <b>MATHEMATICS :-</b>    | <u>Indefinite Integration, Definite Integration, Circle, Vector.</u>   |
| <b>BIOLOGY :-</b>        | <b>Botany:</b> Genetics, Biotech <b>Zoology:</b> Excretory System, Skeleton System,  |
| Part Syllabus Test - IV  |  |
| <b>PHYSICS :-</b>        | <u>Ray Optics, Wave optics, Electrostatics, Electric Current</u>   |
| <b>CHEMISTRY :-</b>      | Redox reactions and electrochemistry, <u>Alcohols, Phenols and Ethers,</u> Chemical and Ionic equilibrium, Co-ordination chemistry & organometallics   |
| <b>MATHEMATICS :-</b>    | Binomial Theorem, Area of Curves, Differential Equation . Three Dimensional Geometry.  |
| <b>BIOLOGY :-</b>        | <b>Botany:</b> Plant Morphology, Anatomy <b>Zoology:</b> <u>Endocrine system, Nervous System,</u>  |
| Part Syllabus Test - V   |  |
| <b>PHYSICS :-</b>        | Electromagnetis, Modern Physics,   |
| <b>CHEMISTRY :-</b>      | Chemical energetic and thermodynamics, <u>Aliphatic and aromatic aldehydes &amp; Ketones, Qualitative analysis (i.e. test of acidic and basic radicals), Transition Metals including Lanthanides &amp; Actinides</u>   |
| <b>MATHEMATICS :-</b>    | Conics, <u>Determinant, Matrices,</u> Complex Number, *Measures of Central tendency and dispersion, *Mathematics reasoning.  |
| <b>BIOLOGY :-</b>        | <b>Botany:</b> Plant Physiology and Plant Reproduction, <b>Zoology:</b> Reproductive system, Human health and diseases.  |
| Part Syllabus Test - VI  |  |
| <b>PHYSICS :-</b>        | Elasticity, Viscosity, Fluid Mechanics, Surface tension, Experimental physics, AC Circuits,  |
| <b>CHEMISTRY :-</b>      | <u>Acid(Formic acid, Acetic acid, Benzoic acid) and their Derivatives, Aliphatic and aromatic nitrogen Compounds, Polymers &amp; Bio-molecules and biological process, Metallurgy,</u> Chemistry of lighter elements(i.e. s and p-block family), Hydrogen and its compounds, <u>Surface Chemistry &amp; Colloidal solution</u> |
| <b>MATHEMATICS :-</b>    | Trigonometric Identities & Equations, Properties of triangles, *Height and distance, Permutation & Combination, <u>Probability.</u>  |
| <b>BIOLOGY :-</b>        | <b>Botany:</b> <u>Ecology</u> <b>Zoology:</b> <u>Biotechnology, Human Genetics, Evolution.</u> Animal Classification.  |

\* Chapter not Applicable for JEE Advanced

**SCHEDULE OF DRISHTI SIT DOWN TEST SERIES For 2016-17 (TENTATIVE TEST DATE)**

| AIDTS          | PST - I             | PST - II            | PST - III           | PST - IV            | PST - V             | PST - VI            | FST - I                | FST - II                | FST - III               | FST - IV                | FST - V                 | FST - VI                |
|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| JEE Advanced   | 27/11/16<br>MORNING | 27/11/16<br>EVENING | 25/12/16<br>MORNING | 25/12/16<br>EVENING | 29/01/17<br>MORNING | 29/01/17<br>EVENING | 9/04/17<br>(Paper 1&2) | 16/04/17<br>(Paper 1&2) | 23/04/17<br>(Paper 1&2) | 30/04/17<br>(Paper 1&2) | 07/05/17<br>(Paper 1&2) | 14/05/17<br>(Paper 1&2) |
| JEE Main       | 13/11/16            | 20/11/16            | 04/12/16            | 11/12/16            | 08/01/17            | 15/01/17            | 05/02/17               | 12/02/17                | 19/02/17                | 05/03/17                | 19/03/17                | 26/03/17                |
| AIPMT(Medical) | 13/11/16            | 20/11/16            | 04/12/16            | 18/12/16            | 08/01/17            | 15/01/17            | 12/02/17               | 19/02/17                | 05/03/17                | 26/03/17                | 09/04/17                | 23/04/17                |

**Mock Test Series for AIIMS (Tests in May) will be announced later**

**FEE STRUCTURE FOR SIT DOWN TEST SERIES**

JEE ADVANCED : RS. 3,000/ + S. T. = Rs. 3450,

JEE MAIN : Rs. 2,000/- + S.T. = Rs. 2300

MEDICAL (AIPMT) : Rs. 2,000/- + S.T. = Rs. 2300 (DRISHTI TEST SERIES IS FREE FOR LONG Term Students)

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| TEST TIME              |                 |
|------------------------|-----------------|
| JEE Advanced (Paper I) | : 09 to 12 Noon |
| (Paper II)             | : 02 to 05 PM   |
| JEE Main               | : 02 to 05 PM   |
| AIPMT (Medical)        | : 02 to 05 PM   |