



ALL INDIA TEST SERIES

JOINT ENTRANCE EXAMINATION

(MAIN & ADVANCED)

Test Schedule 2016-2017

MAIN		
Test	Syllabus	Date
Part Test - I	Unit 1	13. Nov. 2016
Part Test - II	Unit 2	04. Dec. 2016
Part Test - III	Unit 3	08. Jan. 2017
Part Test - IV	Unit 4	22. Jan. 2017

ADVANCED		
Test	Syllabus	Date
Part Test - I	Unit 1	27. Nov. 2016
Part Test - II	Unit 2	18. Dec. 2016
Part Test - III	Unit 3	15. Jan. 2017
Part Test - IV	Unit 4	29. Jan. 2017

MAIN		
Test	Syllabus	Date
Full Test - I (Open Test)	Full Syllabus	05. Feb. 2017
Full Test - II	Full Syllabus	19. Feb. 2017
Full Test - III	Full Syllabus	19. March. 2017
Full Test - IV	Full Syllabus	26. March. 2017
Full Test - V	Full Syllabus	29. March. 2017

ADVANCED		
Test	Syllabus	Date
Full Test - I (Open Test)	Full Syllabus	12. Feb. 2017
Full Test - II	Full Syllabus	26. Feb. 2017
Full Test - III	Full Syllabus	16. April. 2017
Full Test - IV	Full Syllabus	23. April. 2017
Full Test - V	Full Syllabus	01. May. 2017
Full Test - VI	Full Syllabus	10. May. 2017

Syllabus

PHYSICS

- UNIT-1 : Error Analysis, Kinematics, Laws of Motion, Work, Energy and Power, Conservation of Momentum, Rotation.
UNIT-2 : Heat and Thermodynamics, Elasticity, Fluid, Simple Harmonic Motion, Waves & Sound
UNIT-3 : Electrostatics, Current Electricity, Optics, Modern Physics.
UNIT-4 : Gravitation, Magnetism, A.C. Circuit, EMI, EM Waves.

CHEMISTRY

- UNIT-1 : States of Matter-Gaseous State, Solution, Chemical Bonding and Molecular Structure, IUPAC Nomenclature & Isomerism of Organic Compound, Redox Reaction, Equilibrium.
UNIT-2 : Organic Chemistry - Basic Principles & Techniques(G.O.C.), Reaction Mechanism, Solid State, Chemical Kinetic.
UNIT-3 : Hydrocarbons, Electrochemistry, General Principles and Processes of isolation of metals, P Block elements - group 15, 16, 17 and 18, D and F- Block Elements, Hydrogen, S-Block Elements, P- Block Elements - Group 13 and Group 14, Classification of Elements and Periodicity in Properties, Thermodynamics.
UNIT-4 : Organic Compounds Containing Halogens, Organic Compounds Containing Oxygen, Organic compounds containing nitrogen, Polymers, Biomolecules, Chemistry in Everyday life, principles related to Practical Chemistry, Coordination Compound, Atomic Structure, Surface Chemistry, Environmental Chemistry, Stoichiometry, Volumetric Analysis.

MATHS

- UNIT-1 : Functions, Limits, Continuity and Differentiability, Application of Derivatives, Indefinite Integration, Definite Integration, Area, Differential Equation.
UNIT-2 : Quadratic equations & expressions, Trigonometric ratios and identities, Trigonometric equations and their solutions, Inverse trigonometric function, Solution of triangles.
UNIT-3 : Straight lines, Circles, Parabola, Ellipse, Hyperbola, Complex number.
UNIT-4 : Vector, Three Dimensional Geometry, Progression and Series, Binomial Theorem, Matrices and Determinants, Permutation and Combination, Probability.

ALL INDIA TEST SERIES

PRE-MEDICAL TEST

[NEET | AIIMS]

Test Schedule 2016-2017

PART TEST	
Test	Date
Part Test - I	13. Nov. 2016
Part Test - II	04. Dec. 2016
Part Test - III	08. Jan. 2017
Part Test - IV	22. Jan. 2017

FULL TEST	
Test	Date
Full Test - I (Open Test)	05. Feb. 2017
Full Test - II	19. Feb. 2017
Full Test - III	26. March. 2017
Full Test - IV	02. April. 2017

FULL TEST	
Test	Date
Full Test - V	09. April. 2017 (AIIMS Pattern)
Full Test - VI	16. April. 2017
Full Test - VII	23. April. 2017
Full Test - VIII	14. May. 2017 (AIIMS Pattern)

Syllabus

PHYSICS

UNIT-1 : Laws of motion, Work, Energy and Power, Optics.

UNIT-2 : Electrostatics, Current Electricity, Modern Physics, Kinematics.

UNIT-3 : Magnetism, EMI, A.C. Circuit, Heat and Thermodynamics.

UNIT-4 : Gravitation, Fluids, Simple Harmonic Motion, Waves & Sound, Error Analysis, Conservation of momentum, Rotation.

CHEMISTRY

UNIT-1 : States of Matter-Gaseous State, Solution, Chemical Bonding and Molecular Structure, IUPAC Nomenclature & Isomerism of Organic Compound, Redox Reaction, Equilibrium.

UNIT-2 : Organic Chemistry - Basic Principles & Techniques(G.O.C.), Reaction Mechanism, Solid State, Chemical Kinetic.

UNIT-3 : Hydrocarbons, Electrochemistry, General Principles and Processes of isolation of metals, P Block elements - group 15, 16, 17 and 18, D and F- Block Elements, Hydrogen, S-Block Elements, P- Block Elements - Group 13 and Group 14, Classification of Elements and Periodicity in Properties, Thermodynamics.

UNIT-4 : Organic Compounds Containing Halogens, Organic Compounds Containing Oxygen, Organic compounds containing nitrogen, Polymers, Biomolecules, Chemistry in Everyday life, principles related to Practical Chemistry, Co-ordination Compound, Atomic Structure, Surface Chemistry, Environmental Chemistry, Stoichiometry, Volumetric Analysis.

BIOLOGY

UNIT-1 : Diversity in the living world, Structural organisation in plants and animals, Cell : Structure and Function.

UNIT-2 : Plant and Human Reproduction, Genetics and Evolution.

UNIT-3 : Plant physiology and Human physiology.

UNIT-4 : Biology in Human Welfare, Biotechnology and Ecology.