

AADHARSHILA TALENT SEARCH EXAM

Exam Pattern and Syllabus

Subject	Class 8 th	Class 9 th	Class 10 th
Physics	<ul style="list-style-type: none"> ● Force & Pressure ● Friction ● Sound ● Chemical Effects of Electric Current 	<ul style="list-style-type: none"> ● Motion ● Force & Laws of motion ● Gravitation 	<ul style="list-style-type: none"> ● Light-Reflection & Refraction ● Human Eye and colourful world
Chemistry	<ul style="list-style-type: none"> ● Coal and Petroleum ● Combustion & Flame (Combustion types of combustion , Fire) 	<ul style="list-style-type: none"> ● Matter in our Surroundings ● Is Matter Around Us Pure? ● Atoms and Molecules 	<ul style="list-style-type: none"> ● Chemical Reactions and Equations ● Acids, Bases and salts ● Metals and Non-metals
Biology	<ul style="list-style-type: none"> ● Crop Production and Management ● Microorganisms Friend and Foe ● Conservation of Plants and Animals ● Reproduction in Animals 	<ul style="list-style-type: none"> ● The Fundamental Unit of Life ● Tissues 	<ul style="list-style-type: none"> ● Life Processes ● Control and Coordination
Mathematics	<ul style="list-style-type: none"> ● Rational Numbers ● Linear Equations in one Variable ● Understanding Quadrilaterals ● Data Handling ● Squares and Square Roots- Cubes and Cube Roots 	<ul style="list-style-type: none"> ● Numbers Systems ● Polynomials ● Coordinate Geometry ● Lines and Angles ● Triangles ● Linear Equations In Two Variables 	<ul style="list-style-type: none"> ● Real Numbers ● Polynomials ● Pair of Linear Equations in Two Variables ● Quadratic Equations ● Arithmetic Progressions ● Coordinate Geometry ● Triangles

NCERT Based Syllabus / There is No Negative Marking

“ ALL THE BEST FOR THE EXAM ”

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Exam Pattern and Syllabus

Medical Aspirants			Engineering Aspirants		
Subject	Class 11 th	Class 12 th	Subject	Class 11 th	Class 12 th
Physics	<ul style="list-style-type: none"> Units and Measurements Motion in a straight Line Motion in a Plane Laws of Motion Work, Energy and Power 	<ul style="list-style-type: none"> Electric Charges and Fields Electrostatic Potential and Capacitance Current Electricity Moving Charges and Magnetism Electromagnetic Induction 	Physics	<ul style="list-style-type: none"> Physical World Units and Measurements Motion in a Plane Laws of Motion Work, Energy and Power 	<ul style="list-style-type: none"> Electric Charges and Fields Electrostatic Potential and Capacitance Current Electricity
Chemistry	<ul style="list-style-type: none"> Some Basic Concepts of Chemistry Structure of Atom Classification of Elements & Periodicity in Properties Chemical Bonding and Molecular Structure 	<ul style="list-style-type: none"> Solutions Electro-chemistry Chemical Kinetics Haloalkanes and Haloarenes 	Chemistry	<ul style="list-style-type: none"> Some Basic Concepts of Chemistry Structure of Atom Classification of Elements & Periodicity in Properties Chemical Bonding and Molecular Structure 	<ul style="list-style-type: none"> Solutions Electro-chemistry Chemical Kinetics The d- & f-Block Elements
Botany	<ul style="list-style-type: none"> Cell; The unit of life Cell Cycle and Cell Division The Living World Biological Classification 	<ul style="list-style-type: none"> Sexual Reproduction in Flowering Plants Principles of Inheritance and Variation Molecular Basis of Inheritance 	Mathematics	<ul style="list-style-type: none"> Sets Trigonometric Functions Complex Numbers and Quadratic Equations Linear Inequalities Permutations and Combinations 	<ul style="list-style-type: none"> Inverse Trigonometric Functions Matrices Determinants Continuity and Differentiability Application of Derivatives
Zoology	<ul style="list-style-type: none"> Biomolecules Breathing and Exchange of Gases Body Fluids and Circulation Excretory Products Elimination 	<ul style="list-style-type: none"> Human Reproduction Reproductive Health Evolution Human Health and Diseases 			

Question Pattern

Classes	Physics	Chemistry	Biology	Maths	Total Questions
Class 8 th to 10 th	10	8	7	15	40
Class 11 th & 12 th JEE	10	10	--	10	30
Class 11 th & 12 th NEET	15	15	30	--	60