

CATSE -2025

CAREER ACADEMY TALENT SEARCH EXAM

SYLLABUS

Syllabus consists of topics from Current Class. Students are advised to find these topics from their school text books of present and previous classes and prepare thoroughly for MCQs.

CLASS - VIII			
SCIENCE	SOCIAL SCIENCE	MATHEMATICS	MENTAL ABILITY
Crop Production & Management, The Microbial World, Coal & Petroleum, Combustion, Flame & Fuels, Conservation of Animals and Plants, Force & Pressure, Friction, Reproduction in animals, Reaching the age of adolescence.	From trade to Territory, Ruling the Countryside, Resources, Land, Soil, water Natural Vegetation and wildlife resources, The Indian Constitution, Agriculture, Understanding Secularism, Why do we need a Parliament?	Rational Numbers, Linear Equation in one Variable, Understanding Quadrilaterals , Data Handling, Square & Square Roots, Cubes & Cube Roots, Comparing Quantities, Algebraic Expression & Identities	Blood Relation. Coding-decoding, Counting of Figure, Cubes and Dice, Direction Sense, Embedded Figure, Insert the Missing Character Series, Mathematical Operation, Mirror Image, Venn-Diagram, Water Image, Series, Ranking Test Questions

CLASS - X			
SCIENCE	SOCIAL SCIENCE	MATHEMATICS	MENTAL ABILITY
Chemical reaction & equations, Acids, bases & Salts, Metals & Non-metals, Current electricity, Magnetic Effect of current, Life Processes, Genetics & Evolution, Control and coordination, Reproduction, Reflection and Reflection of light, Our environment,	The rise of Nationalism in Europe, The Nationalism in India, Power sharing, Federalism, Resources & Development, Forests and Wildlife Resources, Agriculture Development, The sectors of Indian Economy, Money and credit, Gender, religion and caste, Globalisation and the Indian economy	Real Numbers, Polynomials, The pair of Linear Equations in two variables, Quadratic Equations, Arithmetic Progressions, Triangles, Trigonometry, Circles, Surface area & volumes.	Blood Relation. Coding-decoding, Counting of Figure, Cubes and Dice, Direction Sense, Embedded Figure, Insert the Missing Character Series, Mathematical Operation, Mirror Image, Venn-Diagram, Water Image, Series, Ranking Test Questions

CLASS – XII (SCIENCE)			
PHYSICS	CHEMISTRY	BIOLOGY	MATHEMATICS
Electric charges and fields, Electrostatic potential and capacitance, Current Electricity, Moving charges and magnetism, Magnetism and matter, Electromagnetic Induction, Alternating Currents, E.M. waves, Ray optics, Wave optics.	Solid State, Solutions, Electrochemistry, Chemical Kinetics, Coordination Compound, Halo Alkanes & Haloarenes, Alcohols, Phenols & Ethers,	Reproduction in Organisms, Sexual Reproduction in Flowering Plants, Human Reproduction, Reproductive Health, Principles of inheritance and Variation, Molecular Basis of inheritance, Evolution.	Relations & Functions, Inverse Trigonometric functions, Matrices, Determinants, Continuity & Differentiability, Applications of Derivatives, Integration, Probability, Vector algebra & Three dimensional geometry.