

SYLLABI FOR THE DAV APTITUDE TEST-2025

COMMERCE

Subject	Syllabus	No of Questions
MATHEMATICS	<p>Pair of Linear Equations in two variables: Pair of linear equations in two variables and graphical method of their solution, consistency/inconsistency. Algebraic conditions for number of solutions. Solution of a pair of linear equations in two variables algebraically - by substitution, by elimination. Simple situational problems.</p> <p>Quadratic Equation: Standard form of a quadratic equation $ax^2 + bx + c = 0$ ($a \neq 0$), solution of quadratic equations (only real roots) by factorisation, relationship between discriminant and nature of roots, problems related to day-to-day activities.</p> <p>Trigonometry: Trigonometric ratios and identities, height and distances.</p> <p>Probability: Elementary ideas of probabilities as measure of uncertainty (for single event only)</p> <p>Co-ordinate Geometry: Distance between two points, section formula (internal division) only</p> <p>Polynomial: Zeros of a polynomial, relationship between zeros and coefficients of a quadratic polynomial.</p> <p>Real number: Fundamental theorem of arithmetic, irrational number and their decimal expansion.</p> <p>Arithmetic Progressions: Derivation of the nth term and sum of the first nth terms of A.P. and their application in solving daily life problems.</p> <p>Statistics: Mean, median and mode of grouped data (bimodal situation to be avoided)</p>	(30)
ECONOMICS	Banking Services in India, Economic Reforms in India, Statistics (Mean, Median & Mode), Poverty in India, Economic Development, Sectors of the Indian Economy, Food Security in India, Consumer Awareness.	(20)
ENGLISH	Integrated Grammar (Determiners, Clauses, Tenses, Modals, Subject – verb concord, Reported speech), Synonyms & Antonyms, One-word substitution.	(30)