



CAT

DETAILED SYLLABUS 2026



Arithmetic	Percentage	Basics of Percentages	
		Percentage Increase & Decrease	
		Find Value from given Percentage	
		Fraction Percentage Table	
		Percentage Decrease	
		Practice Questions	
	Profit and Loss	Understanding the Fundamentals of Profit and Loss	
		Profit % & Loss %	
		Different Purchase and Sold Quantity	
		Cost Price of Article X =Selling	
		Changing Selling Price	
		Article Sold Twice	
		False Weights	
		Successive Discount	
		Practice Questions	
	SI CI	Concept of SI CI	
		Getting Started with Simple Interest	
		Simple Interest – Concept Application	
		Simple Interest – Concept Application 0.2	
		Getting Started with Compound Interest	
		Compound Interest – Half Yearly/ Quarterly	
The interest rate varies each year			
Difference Formula (SI & CI)			
Question Bank			
Average		Introduction to Average	
	Weighted Average		
	Replacement		
	Correct the Error		
	Practice Questions		

		Understanding the Fundamentals AM GM HM	
		Problem Set on Harmonic Mean	
		Problem Set on Geometric Mean	
Ratio proportion		Understanding the concept of Ratio	
		Scaling Property of the Ratio	
		Practice Questions on Ratio	
		Practice Questions on Ratio 0.2	
		Understanding the concept of Proportion	
		Jointly Proportional	
Algebra	Basics of algebra	Basics of Algebra	
		Basic Algebraic Formulae	
		Understanding Factor Theorem	
		Multiplication of Brackets	
Linear equation		One Variable Equations	
		Two Variable Equations	
		Word Problems	
		Word Problems on Age	
		Word Problems on two digit numbers	
		Three Variable Equations	
		Graphical Representation of Linear Equations	
		Graphical Representation of two variables	
		Relationship Between Lines	
		Integer Solution	
	Quadratic equation		Fundamentals of Quadratic Equations
		Factorization Method	
		Nature of Roots	
		Quadratic Equation for given Roots	
		Sum and Products of Roots	
		Graphical Representation	

	Third Order Equation (Cubical Equation)	
	Third Order Equations 0.2 (Cubical Equation)	
Modulus	Understanding Modulus	
	One variable Modulus Equation	
	Equations with more than one mod	
	Equation with more than one mods 0.2	
	Graphical Representation	
Inequalities	Introduction to Inequalities	
	Common Solution	
	Modulus Inequalities	
	Variable in Denominator	
	Quadratic Inequalities	
Maxima Minima	Introduction to Maxima Minima	
	Max Min Functions	
	Maxima/ Minima Based on AM & GM	
Function	Basics of Function	
	Composite Functions	
	Iterative function	
	Even and Odd Functions	
	Inverse Functions	
	Domain and Range	
Graphs	Graph - Understand XY- Plane	
	Special Equations	
	Graph on Modulus	
	Graph on Inequalities	
	Graph on Circle	
	Greatest Integer, Smallest Integer	
	Graph on Quadratic Functions	

		Min & Max Functions		
		Graph of Cubic Functions		
	Progressions	Introducing - Arithmetic Progression		
		Sum of Infinite term of A.P		
		Geometric Progression		
		Sum of Infinite term of G.P		
		Arithmetic – Geometric Progression		
	Partial Fraction			
	Special Series			
Geometry	Lines and Angles	Basics of Lines and Angles		
		Transversal system		
	Triangles	Getting start with Triangles		
		Elements of a Triangle		
		Types of Triangle		
		External Angle		
		Congruent Triangles		
		Similar Triangle		
		Basic Proportionality Theorem		
	Quadrilaterals	Introduction to Quadrilateral		
	Polygons	Introduction to Polygon		
	Circles	Introduction to Circle		
	Area and Volume	Introduction to Area & Volume		
	Co-ordinate Geometry	Basics of Co-ordinates		
Equations of Straight Line				
Angle between two lines				

		Circle equation	
Modern Math	Set theory	Introduction to Set theory	
		Case of Three sets	
		Non-Deterministic case	
	Permutation and Combination	Concepts of Permutation & Combination	
		Factorial for Permutation and Combination	
		Arrangement – Permutation	
		Arrangement of Groups	
	Probability	Introduction to Probability	
		Conditional Probability	
		Odds for and against an event	
		Mutually Exclusive Event	
	Classification of numbers	Types of numbers	
		Even odd operations	
		Prime and Composite Numbers	
		Co-Prime Numbers	
	Divisibility Rules	Divisibility of 2, 3, 4, 5, 6, 8, 9, 11	
	HCF & LCM	Finding the HCF	
		Application of HCF	
		Finding the LCM	
		Applications of LCM	
		Product of two numbers = HCF \times LCM	
		HCF & LCM of fractions	
	Indices	Rules of Indices	
	Cyclicity	Cyclicity of unit digit in a power	

		Cyclicity of last two digits	
	Factorials	Factorizing a Factorial	
		Highest power of a prime in a factorial	
		Highest power of a composite in a factorial	
		Number of zeroes at the end	
	Factorization	Prime Factors of the number	
		Perfect higher powers	
		Perfect Squares	
	Factors	Number of factors	
		Numbers based on number of Factors	
	Remainders	Remainder theorem	
		Composite Index	
	Successive Division	Successive Division	
	Base System	Decimal number system	
		Binary number system	
		Other base system	
		Base conversion	
		Addition and Subtraction in other base system	
		Multiply and divide in other base system	
DILR	Data Interpretation	Tables	
		Pie Charts	
		Bar Graph	
		Line Graph	
		Caselets	
		Games	
		Logic Based	

	Logical Reasoning	Linear Arrangements	
		Circular Arrangements	
		Selection	
		Sorting	
		Analytical Reasoning	
VARC	Reading Comprehension	Digital Media and Society	
		Philosophy	
		Psychology	
		Social Science	
		Environment	
		Science	
		History	
		Technology	
		Art, Language and Literature	
	Parajumbles	Logical Ordering and Common Pitfalls with an example (parajumble theory)	
	Odd Sentence Out	Logical Coherence with an example (odd sentence out concept & example)	
	Paragraph Completion	Basics of Paragraph Completion	
		Paragraph Completion - Concept & Example	
Rules to Master paragraph completion			
Paragraph Summary	How to Identify the Main Idea and Key Points		
	How to Solve Paragraph Summary - Approach & Strategy		