

# Comparison of Common Topics in GATE (DA) and CAT Syllabus 2025

Topic	GATE (DA) Coverage	CAT Coverage
Probability & Statistics	Probability axioms, Bayes Theorem, Distributions	Permutation & Combination
Linear Algebra	Vector space, Matrices, Eigenvalues	Matrices in QA section
Calculus	Limits, Differentiability, Optimization	Maxima & Minima, Functions
Data Structures & Algorithms	Stacks, Queues, Trees, Graphs	Basic logical reasoning patterns
Machine Learning	Regression, Clustering, Neural Networks	Not explicitly covered but logical patterns appear
Database & Data Interpretation	SQL, Data Transformation, Indexing	Tables, Graphs, Venn Diagrams

## Unique Topics in GATE (DA) Syllabus

- Programming in Python
- Search Algorithms (Binary Search, Quicksort)
- AI: Search, Logic, Reasoning under Uncertainty
- Machine Learning (Supervised, Unsupervised Learning)

## Unique Topics in CAT Syllabus

- Verbal Ability (Para Jumbles, Sentence Completion)
- Reading Comprehension (Passages on Various Topics)
- Logical Reasoning (Seating Arrangement, Blood Relations)
- Quantitative Aptitude (Algebra, Trigonometry, Geometry)