GATE-2027

Online Test Series

Data Science and Artificial Intelligence - Schedule

No.of Tests : 37 + 37 *free* practice tests of GATE-2026 Online Test Series		
	GATE - 2027 Test Series	**Practice Tests GATE - 2026 OTS**
Topic wise Tests	23	23
Grand Tests (Subject Wise Tests)	8	8
Full Length Mock Tests	6	6
Total Tests - 74		

Note:

★ The syllabus followed is based on the previous notification of GATE. ACE Engineering Academy will not be responsible for any deviations in the syllabus in the final GATE-2027 examination.

★ The dates of the tests may change depending on the official GATE-2027 examination schedule.

★ All tests will be activated at 6:00 PM on the scheduled date.

★ All tests will remain active until the GATE-2027 examination.

Topic wise Tests

(No.of Questions: 15, Time duration: 42 Minutes and Marks: 25 M)

Test No	Name of the Test	Date of Activation
Test-01	**Probability and Statistics-1:** Counting (permutation and combinations), probability axioms, Sample space, events, independent events, mutually exclusive events, Bayes Theorem.	13-04-2026
Test-02	**Probability and Statistics-2:** Random variables, discrete random variables and probability mass functions, cumulative distribution function, uniform, Bernoulli, binomial distribution, Continuous random variables, probability distribution function, uniform, exponential, Poisson, normal, standard normal, t-distribution, chi-squared distributions, variance, mean, median, mode and standard deviation.	25-04-2026
Test-03	**Probability and Statistics-3:** Marginal, Conditional and Joint probability, correlation and covariance, conditional expectation, Conditional PDF, Central limit theorem, confidence interval, z-test, t-test, chi-squared test.	
Test-04	**Linear Algebra-1:** Determinant, Systems of linear equations and solutions; Gaussian elimination, eigenvalues and eigenvectors, rank,nullity, matrices.	02-05-2026
Test-05	**Linear Algebra-2:** Vector space, subspaces, linear dependence and independence of vectors, quadratic forms, projections, LU decomposition, singularvalue decomposition, projection matrix, orthogonal matrix, idempotent matrix, partition matrix and their properties.	
Test-06	**Calculus and Optimization-1:** Functions of a single variable, limit, continuity and differentiability	09-05-2026
Test-07	**Calculus and Optimization-2:** Taylor series, maxima and minima, optimization involving a single variable.	
Test-08	**Python:** Programming in Python	16-05-2026
Test-09	**Data Structures-1:** Basic data structures: stacks, queues, introduction to graph theory; basic graph algorithms: traversals and shortest path.	
Test-10	**Data Structures-2:** Linked lists, trees, hash tables;	23-05-2026
Test-11	**Algorithms:** Search algorithms: linear search and binary search, basic sorting algorithms: selection sort, bubble sort and insertion sort; divide and conquer: mergesort, quicksort;	

Test No	Name of the Test	Date of Activation
Test-12	**Database Management and Warehousing-1:** ER-model, relational model: relational algebra, tuple calculus, integrity constraints, normal form.	30-05-2026
Test-13	**Database Management and Warehousing-2:** SQL, file organization, indexing, data types, data transformation such as normalization, discretization, sampling, compression;	
Test-14	**Database Management and Warehousing-3:** ER-model, relational model: relational algebra, tuple calculus, integrity constraints, normal form. Data warehouse modeling: schema for multidimensional data models, concept hierarchies, measures: categorization and computations. SQL, file organization, indexing, data types, data transformation such as normalization, discretization, sampling, compression;	06-06-2026
Test-15	**Machine Learning-1:** Supervised Learning: regression and classification problems, simple linear regression, multiple linear regression, ridge regression, logistic regression,	
Test-16	**Machine Learning-2:** k-nearest neighbor, naive Bayes classifier, linear discriminant analysis, support vector machine, decision trees, bias-variance trade-off, cross-validation methods such as leave-one-out (LOO) cross-validation, k-folds cross validation, multi-layer perceptron, feed-forward neural network;	13-06-2026
Test-17	**Machine Learning-3:** Unsupervised Learning: clustering algorithms, k-means/k-medoid, hierarchical clustering, top-down, bottom-up: single-linkage, multiple linkage, dimensionality reduction, principal component analysis.	
Test-18	**Artificial Intelligence-1:** Search: informed, uninformed, adversarial;	20-06-2026
Test-19	**Artificial Intelligence-2:** logic, propositional, predicate;	
Test-20	**Artificial Intelligence-3:** Reasoning under uncertainty topics - conditional independence representation, exact inference through variable elimination, and approximate inference through sampling	27-06-2026
Test-21	**Verbal Ability:** Basic English grammar: tenses, articles, adjectives, prepositions, conjunctions, verb-noun agreement, and other parts of speech. Basic vocabulary: words, idioms, and phrases in context. Reading and comprehension. Narrative sequencing.	
Test-22	**Quantitative Aptitude:** Data interpretation: data graphs (bar graphs, pie charts, and other graphs representing data), 2- and 3-dimensional plots, maps, and tables. Numerical computation and estimation: ratios, percentages, powers, exponents and logarithms, permutations and combinations, and series Mensuration and geometry. Elementary statistics and probability.	
Test-23	**Analytical Aptitude:** Logic: deduction and induction, Analogy, Numerical relations and reasoning **Spatial Aptitude:** Transformation of shapes: translation, rotation, scaling, mirroring, assembling, and grouping Paper folding, cutting, and patterns in 2 and 3 dimensions	

Test No	Name of the Test	Date of Activation
Subject Wise Grand Tests *(No.of Questions: 30, Time duration: 83 Minutes and Marks: 50 M)*		
Test-24	Probability and Statistics	11-07-2026
Test-25	Programming, Data Structures and Algorithms	18-07-2026
Test-26	Linear Algebra	25-07-2026
Test-27	Database Management and Warehousing	01-08-2026
Test-28	Calculus and Optimization	08-08-2026
Test-29	Machine Learning	15-08-2026
Test-30	Artificial Intelligence	22-08-2026
Test-31	General Aptitude	29-08-2026

Test No	Name of the Test	Date of Activation
Full Length Mock Tests *(No.of Questions: 65, Time duration: 180 Minutes and Marks: 100 M)*		
Test-32	Full Length Mock Test-1	12-09-2026
Test-33	Full Length Mock Test-2	26-09-2026
Test-34	Full Length Mock Test-3	10-10-2026
Test-35	Full Length Mock Test-4	24-10-2026
Test-36	Full Length Mock Test-5	07-11-2026
Test-37	Full Length Mock Test-6	21-11-2026

Free Practice Tests

Topic wise Tests

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Test-04	**Linear Algebra-1:** Determinant, Systems of linear equations and solutions; Gaussian elimination, eigenvalues and eigenvectors, rank,nullity, matrices.	25-03-2026
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Test-25	Programming, Data Structures and Algorithms	
Test-26	Linear Algebra	
Test-27	Database Management and Warehousing	01-04-2026
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Test-29	Machine Learning	
Test-30	Artificial Intelligence	
Test-31	General Aptitude	

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Test-32	Full Length Mock Test-1	
Test-33	Full Length Mock Test-2	
Test-34	Full Length Mock Test-3	10-04-2026
Test-35	Full Length Mock Test-4	
Test-36	Full Length Mock Test-5	
Test-37	Full Length Mock Test-6	