GATE-2025

Online Test Series

Data Science and Artificial Intelligence - Schedule

No.of Tests : 37 + 5 *free* practice tests of GATE-2024 Online Test Series		
	GATE - 2025 Test Series	Practice Tests GATE - 2024 OTS
Topic wise Tests	23	-
Grand Tests (Subject Wise Tests)	8	-
Full Length Mock Tests	6	5
Total Tests - 42		

Note:

★ The Syllabus considered as per Previoues year Notification of GATE. ACE Engineering Academy does not take any responsibility for deviations in syllabus in the final exam.

★ The Dates of Tests may Change according to the GATE-2025 Exam schedule.

★ Tests will be activated at 06:00 pm on the scheduled day.

★ All tests will be active till GATE-2025 Exam.

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:** Probability and Statistics: Counting (permutation and combinations), probability axioms, Sample space, events, independent events, mutually exclusive events, marginal, conditional and joint probability, Bayes Theorem.	15-04-2024
Test-02	**Probability and Statistics-2:** conditional expectation and variance, mean, median, mode and standard deviation, correlation, and covariance, random variables, discrete random variables and probability mass functions, uniform, Bernoulli, binomial distribution, Continuous random variables	24-04-2024
Test-03	**Probability and Statistics-3:** probability distribution function, uniform, exponential, Poisson, normal, standard normal, t-distribution, chi-squared distributions, cumulative distribution function, Conditional PDF, Central limit theorem, confidence interval, z-test, t-test, chi-squared test.	
Test-04	**Linear Algebra-1:** Vector space, subspaces, linear dependence and independence of vectors, matrices, projection matrix, orthogonal matrix, idempotent matrix, partition matrix and their properties, quadratic forms.	01-05-2024
Test-05	**Linear Algebra-2:** Systems of linear equations and solutions; Gaussian elimination, eigenvalues and eigenvectors, determinant, rank, nullity, projections, LU decomposition, singular value decomposition.	
Test-06	**Calculus and Optimization-1:** Functions of a single variable, limit, continuity and differentiability.	08-05-2024
Test-07	**Calculus and Optimization-2:** Taylor series, maxima and minima, optimization involving a single variable.	
Test-08	**Programming, Data Structures and Algorithms-1:** Programming in Python	15-05-2024
Test-09	**Programming, Data Structures and Algorithms-2:** Basic data structures: stacks, queues, introduction to graph theory; basic graph algorithms: traversals and shortest path.	
Test-10	**Programming, Data Structures and Algorithms-3:** Linked lists, trees, hash tables;	22-05-2024
Test-11	**Programming, Data Structures and Algorithms-4:** 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.	29-05-2024
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;	05-06-2024
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;	12-06-2024
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	**Artficial Intelligence-1:** Search: informed, uninformed, adversarial;	19-06-2024
Test-19	**Artficial Intelligence-2:** logic, propositional, predicate;	
Test-20	**Artficial Intelligence-3:** Reasoning under uncertainty topics - conditional independence representation, exact inference through variable elimination, and approximate inference through sampling	26-06-2024
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.	03-07-2024
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 Statitics	10-07-2024
Test-25	Linear Algebra	17-07-2024
Test-26	Calculus and Optimization	24-07-2024
Test-27	Programming, Data Structures and Algorithms	31-07-2024
Test-28	Database Management and Warehousing	07-08-2024
Test-29	Machine Learning	14-08-2024
Test-30	Artficial Intelligence	21-08-2024
Test-31	General Aptitude	28-08-2024

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	04-09-2024
Test-33	Full Length Mock Test-2	18-09-2024
Test-34	Full Length Mock Test-3	02-10-2024
Test-35	Full Length Mock Test-4	16-10-2024
Test-36	Full Length Mock Test-5	25-12-2024
Test-37	Full Length Mock Test-6	08-01-2025

Free Practice Tests

Full Length Mock Tests

(No.of Questions: 65, Time duration: 180 Minutes and Marks: 100 M)

Test-01	Full Length Mock Test-1	
Test-02	Full Length Mock Test-2	
Test-03	Full Length Mock Test-3	**08-04-2024**
Test-04	Full Length Mock Test-4	
Test-05	Full Length Mock Test-5	