

GATE CS 2025 Test Series Schedule					
Test	Description	Date	Questions	Time	Marks
CN Topic Test – 1	Classification of addresses, Subnetting, Supernetting	15th June 2024	15	45min	25
CN Topic Test – 2	ISO/OSI stack, applications of each layer, bridges, routers, gateways, Flow Control Methods - Stop wait, Go back N, SR; Access control - TDM, Polling; CSMA/CD, Exponential Back off algorithm, Transmission, propagation delays etc, CRC, Aloha technologies, Framing, bit stuffing, ethernet	17th June 2024	15	45min	25
CN Topic Test – 3	TCP, UDP , Sockets, error control algorithms, Congestion control algorithms, Switching networks, Basics of IP support protocols (ARP, DHCP, ICMP), fragmentation and reassembly	19th June 2024	15	45min	25
CN Topic Test – 4	Routing Algorithms, Application layer protocols - DNS, SMTP, HTTP, FTP, Email and Network Address Translation (NAT)	21st June 2024	15	45min	25
CN Subject Test	Computer Networks Complete Syllabus	24th June 2024	33	90min	50
OS Topic Test – 1	System calls, Processes - States, PCB, Schedulers, Threads and System calls, CPU scheduling - FCFS, SJFS, priority scheduling, Round robin, multi level queue scheduling, multilevel feedback queue scheduling	26th June 2024	15	45min	25
OS Topic Test – 2	Process synchronization - race conditions, critical sections, peterson's solution, Test and set locks, Semaphores, Dead locks, Starvation, Priority Inversion	28th June 2024	15	45min	25
OS Topic Test – 3	Memory Management - address binding, logical vs physical addressing, Dynamic loading and linking, swapping, memory allocation, fragmentation, segmentation and paging	30th June 2024	15	45min	25
OS Topic Test – 4	Virtual memory - Demand paging, page replacement algorithms, Thrashing and File Systems	2nd July 2024	15	45min	25
OS Subject Test	Operating Systems Complete Syllabus	5th July 2024	33	90min	50
TOC Topic Test – 1	DFA, NFA, conversion of NFA to DFA, Moore and Mealey machines	7th July 2024	15	45min	25
TOC Topic Test – 2	Regular Expressions and Conversions, Finding whether a given grammar is Regular, Pumping Lemma	9th July 2024	15	45min	25
TOC Topic Test – 3	Grammars and Chomsky hierarchy, CNF and GNF, Context free languages and push down automata, pumping lemma for CFLs, Turing machines, context sensitive languages,	11th July 2024	15	45min	25
TOC Topic Test – 4	Recursive and recursively enumerable languages, Closure properties of all languages, Undecidability	13th July 2024	15	45min	25
TOC Subject Test	Theory of Computation Complete Syllabus	16th July 2024	33	90min	50
DB Topic Test – 1	ER Model and Relational Database Model, Conversion of ER Model to Relational data base model, Normalisation I (Intro to FD's , Determining candidate keys, Equivalence of FD's, FD preserving, lossless decomposition, 1NF, 2NF, 3NF, BCNF)	18th July 2024	15	45min	25
DB Topic Test – 2	Relational Algebra I (Selection, Projection, Renaming, Joins, Division, set operations, Cartesian product, Tuple Relational Calculus, Domain Relational Calculus)	20th July 2024	15	45min	25
DB Topic Test – 3	SQL	22nd July 2024	15	45min	25
DB Topic Test – 4	Transactions, Serializability, Locking - 2PL, Timestamp protocol, Thomas write rule, Graph based protocol. File Structures - Indexing, B and B+ trees - insertion, deletion.	24th July 2024	15	45min	25
DB Subject Test	Databases Complete Syllabus	27th July 2024	33	90min	50
P & DS Topic Test – 1	Arrays - 1D, 2D, multidimensional, row and column major orders, C programming: Functions, recursion, scope of variables	29th July 2024	15	45min	25
P & DS Topic Test – 2	Stacks, Queues, prefix-postfix conversion, towers of hanoi, postfix evaluation	31st July 2024	15	45min	25
P & DS Topic Test – 3	Pointers, function pointers, Structures, Unions, Linked list	2nd Aug 2024	15	45min	25
P & DS Topic Test – 4	Trees, Binary search trees, Binary Heaps, Graphs	4th Aug 2024	15	45min	25
P & DS Subject Test	Programming and Data Structures Complete Syllabus	7th Aug 2024	33	90min	50
Algorithms Topic Test – 1	Asymptotic worst case time and space complexity	9th Aug 2024	15	45min	25
Algorithms Topic Test – 2	Searching, Hashing, Sorting, Divide & Conquer,	11th Aug 2024	15	45min	25
Algorithms Topic Test – 3	Greedy Algorithms and Minimum spanning trees	13th Aug 2024	15	45min	25
Algorithms Topic Test – 4	Dynamic programming, Graph Traversals, Shortest paths	15th Aug 2024	15	45min	25
Algorithms Subject Test	Algorithms Complete Syllabus	18th Aug 2024	33	90min	50
EM Topic Test – 1	Propositional and first order logic; Sets, Relations, Functions, Partial Order, Lattices and Groups	20th Aug 2024	15	45min	25
EM Topic Test – 2	Graphs: Connectivity, Matching, Coloring, Combinatorics: Counting, Recurrence Relations, Generating Functions	22nd Aug 2024	15	45min	25
EM Topic Test – 3	Linear Algebra: Matrices , Determinants, System of Linear Equations, Eigen values and Eigen vectors, LU Decomposition	24th Aug 2024	15	45min	25
EM Topic Test – 4	Calculus: Limits, Continuity and Differentiability, Maxima and Minima, Mean Value Theorem, Integration	26th Aug 2024	15	45min	25

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Test	Description	Date	Questions	Time	Marks
EM Topic Test – 5	Probability: Random Variables, Uniform, Normal, Exponential, Poisson and Binomial Distributions, Conditional probability, Bayes theorem. Mean, Median, Mode and Standard Deviation.	28th Aug 2024	15	45min	25
EM Subject Test	Engineering Mathematics Complete Syllabus	31st Aug 2024	33	90min	50
CD Topic Test – 1	Stages in compilers, ambiguity, Lexical Analysis, Parsing - I (Recursive Descent, operator precedence, LL(1))	2nd Sep 2024	15	45min	25
CD Topic Test – 2	Parsing - II (LR(0), SLR, CLR, LALR), Syntax Directed Translation, Intermediate Code Generation	4th Sep 2024	15	45min	25
CD Topic Test – 3	Run Time Environment, Local optimisation, Data flow analyses: constant propagation, liveness analysis, common subexpression elimination.	6th Sep 2024	15	45min	25
CD Subject Test	Compiler Design Complete Syllabus	9th Sep 2024	33	90min	50
DLD Topic Test – 1	Logic functions, Minimization	11th Sep 2024	15	45min	25
DLD Topic Test – 2	Design and Synthesis of Combinational circuits	13th Sep 2024	15	45min	25
DLD Topic Test – 3	Sequential Circuits, Number representations and computer arithmetic (fixed and floating point).	15th Sep 2024	15	45min	25
DLD Subject Test	Digital Logic Complete Syllabus	18th Sep 2024	33	90min	50
CO Topic Test – 1	Memory Interfacing, Hierarchy, Cache block replacement policies, Cache Mapping techniques - Direct mapping, associative, and set associative mapping	20th Sep 2024	15	45min	25
CO Topic Test – 2	Machine Instructions and Addressing Modes, ALU, data path, control unit - Instruction cycle, interrupt driven IO, Hardwired control Unit, Pipelining	22nd Sep 2024	15	45min	25
CO Topic Test – 3	Secondary Memory, IO Interface, Micro programmed Control Unit	24th Sep 2024	15	45min	25
CO Subject Test	Computer Organization Complete Syllabus	27th Sep 2024	33	90min	50
Aptitude	Aptitude Test – 1: Verbal Aptitude: 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 Simple Interest, Compound Interest, Alligation and Mixture, Partnership, Time and Work)	29th Sep 2024	15	45min	25
	Aptitude Test – 2: 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	1st Oct 2024	15	45min	25
	Aptitude Test – 3: Analytical Aptitude Logic: deduction and induction Analogy Numerical relations and reasoning	3rd Oct 2024	15	45min	25
	Aptitude Test – 4 Spatial Aptitude Transformation of shapes: translation, rotation, scaling, mirroring, assembling, and grouping Paper folding, cutting, and patterns in 2 and 3 dimensions	5th Oct 2024	15	45min	25
	Aptitude Test Spatial – 5: Verbal Aptitude and Quantitative Aptitude	7th Oct 2024	15	45min	25
	Aptitude Test Spatial – 6: Analytical Aptitude and Spatial Aptitude	9th Oct 2024	15	45min	25
	Aptitude Test Complete Syllabus	11th Oct 2024	33	90min	50
Multi Subject Tests					
Multi Subject Test – 1	Theory of Computation, Compiler Design	13th Oct 2024	33	90min	50
Multi Subject Test – 2	Operating Systems, Databases	16th Oct 2024	33	90min	50
Multi Subject Test – 3	Programming and Data Structures, Algorithms	19th Oct 2024	33	90min	50

GATE CS 2025 Test Series Schedule					
Test	Description	Date	Questions	Time	Marks
Multi Subject Test – 4	Digital Logic, Computer Organization	22nd Oct 2024	33	90min	50
Multi Subject Test – 5	Computer Networks, Engineering Mathematics	25th Oct 2024	33	90min	50
Multi Subject Test – 6	Theory of Computation, Compiler Design, Operating Systems, Digital Logic	28th Oct 2024	33	90min	50
Multi Subject Test – 7	Databases, Programming and Data Structures, Algorithms	31st Oct 2024	33	90min	50
Multi Subject Test – 8	Engineering Mathematics, Computer Networks, Computer Organization	3rd Nov 2024	33	90min	50
Multi Subject Test – 9	Theory of Computation, Compiler Design, Algorithms, Programming & Data Structures, Engineering Mathematics, Operating Systems	6th Nov 2024	33	90min	50
Multi Subject Test – 10	Databases, Computer Networks, Digital Logic, Computer Organization and Architecture, General Aptitude	8th Nov 2024	33	90min	50
Grand Tests					
Grand Tests	Grand Test – 1	17th Nov 2024	65	180min	100
	Grand Test – 2	24th Nov 2024	65	180min	100
	Grand Test – 3	1st Dec 2024	65	180min	100
	Grand Test – 4	8th Dec 2024	65	180min	100
	Grand Test – 5	15th Dec 2024	65	180min	100
	Grand Test – 6	22nd Dec 2024	65	180min	100
	Grand Test – 7	29th Dec 2024	65	180min	100
	Grand Test – 8	5th Jan 2024	65	180min	100
	Grand Test – 9	12th Jan 2024	65	180min	100
	Grand Test – 10	19th Jan 2024	65	180min	100