Online Test Series Details for GATE 2025 - 26
Branch : Computer Science & Information Technology

Online Test Series Details for GATE 2025 - 26

Branch : Computer Science & Information Technology (One Year Program)

Test Name
Topic Wise Tests Total 24 tests
Subject Wise Tests (Basic Level) Total 12 tests
Subject Wise Test (Advance Level) Total 12 tests
Multiple Subjects Tests Total 6 tests
Previous 5 Years Question Papers Total 6 papers
Full Length Mock GATE Total 10 tests

Topic-wise Tests (One Year Program)

Each test carries 30 marks and 60 minutes duration.

Test consists of 10 one mark questions and 10 two marks questions.

Topic		Subject
Test 1	Verbal and Analytical Aptitude	**General Aptitude**
Test 2	Spatial and Quantitative Aptitude	

Topic		Subject
Test 1	Linear Algebra and Probability	**Engineering Mathematics**
Test 2	Calculus and Statistics	

Topic		Subject
Test 1	Arrays, Pointers, Functions, Recursion and Linked Lists	**Programming & Data Structures**
Test 2	Stack, Queues, Trees, Graphs	

Topic		Subject
Test 1	Mathematical Logic, Set Theory and Algebra	**Discrete Mathematics**
Test 2	Combinatorics, Lace, Graph Theory	

Topic		Subject
Test 1	Searching, Sorting, Hashing, Time and Space Complexity and Divide and Conquer Design Techniques.	**Algorithms**
Test 2	Greedy and Dynamic Programming Design Techniques and Graph Algorithms.	

Topic		Subject
Test 1	Number representations, Boolean Algebra and Minimization.	**Digital Logic**
Test 2	Floating Point Representation Combinational and Sequential Circuits.	

Topic		Subject
Test 1	ER-model, Relational model : relational algebra, Tuple Calculus, Normalization.	**DBMS**
Test 2	SQL, File Organization, Indexing and Transaction & Concurrencey Control.	

Topic		Subject
Test 1	Concept of layering : OSI and TCP/IP Protocol Stacks; Basics of packet, circuit and virtual circuit-switching; Data link layer : framing, error detection, Medium Access Control, Ethernet bridging, Application layer protocols : DNS, SMTP, HTTP, FTP, Email.	**Computer Networks**
Test 2	Routing protocols : shortest path, flooding, distance vector and link state routing; Fragmentation and IP addressing, IPv4, CIDR notation, Basics of IP support protocols (ARP, DHCP, ICMP), Network Address Translation (NAT); Transport layer : flow control and congestion control, UDP, TCP, sockets.	

Topic		Subject
Test 1	System calls, Processes, Threads, CPU Scheduling, Inter-process communication, concurrency and synchronization.	**Operating System**
Test 2	Deadlocks, Memory management and virtual memory, File systems, I/O scheduling.	

Topic		Subject
Test 1	Regular expressions and finite automata. Context-free Grammars, Regular and context-free languages.	**Theory of Computations**
Test 2	Pumping Lemma, Push Down Automata, Turing machines and Undecidability.	

Topic		Subject
Test 1	Machine Instructions and Addressing Modes, ALU, Data-path and Control Unit.	**Computer Organization and Architecture**
Test 2	Instruction Pipelining, Memory Mapping and Hierarchies, Input & Output	

Topic		Subject
Test 1	Lexical analysis, Parsing	**Compiler Design**
Test 2	Syntax-Directed Translation, Runtime Environments, Intermediate Code Generation, Data Flow Analysis.	

Topic-wise Tests (One Year Program)

Each test carries 30 marks and 60 minutes duration.

Test consists of 10 one mark questions and 10 two marks questions.

Subjects	No. of Tests
General Aptitude + General English	02
Engineering Mathematics	02
Programming and Data Structures	02
Discrete Mathematics	02
Algorithms	02
Digital Logic	02
DBMS	02
Computer Networks	02
Operating System	02
Theory of Computations	02
Computer Organisation & Architecture	02
Compiler Design	02

Basic Level Subject-wise Tests (One Year Program)

Each test carries 50 marks and 90 minutes duration.

Test consists of 10 one mark questions and 20 two marks questions.

Subjects	No. of Tests
General Aptitude + General English	01
Programming and Data Structures	01
Engineering Mathematics	01
Discrete Mathematics	01
Algorithms	01
Digital Logic	01
DBMS	01
Computer Networks	01
Operating System	01
Theory of Computations	01
Computer Organisation & Architecture	01
Compiler Design	01

Advance Level Subject-wise Tests (One Year Program)

Each test carries 50 marks and 90 minutes duration.

Test consists of 10 one mark questions and 20 two marks questions.

Subjects	No. of Tests
General Aptitude + General English	01
Programming and Data Structures	01
Engineering Mathematics	01
Discrete Mathematics	01
Algorithms	01
Digital Logic	01
DBMS	01
Computer Networks	01
Operating System	01
Theory of Computations	01
Computer Organisation & Architecture	01
Compiler Design	01

Multi-Subject Tests (One Year Program)

Each test carries 50 marks and 90 minutes duration.

Test consists of 10 one mark questions and 20 two marks questions.

Subjects
Aptitude + Engineering Maths + DMGT
PDS + Algo +DBMS
CN + TOC + CD
Digital + OS + CO
Aptitude + Engg Maths + DMGT + Digital + OS + COA
PDS + Algo + DBMS + CN + TOC + CD

Previous 5 Years GATE Papers (One Year Program)

PYQ Paper
2018 IIT G
2019 IIT M
2020 IIT D
2021 IIT B Set 1
2021 IIT B Set 2
2022 IIT KGP

Full Length Mock GATE (Tentative Details for One Year Program)

(Each test carries 100 marks and 3 hours duration as per GATE Pattern)

Subjects
Full Length Mock - 1
Full Length Mock - 2
Full Length Mock - 3
Full Length Mock - 4
Full Length Mock - 5
Full Length Mock - 6
Full Length Mock - 7
Full Length Mock - 8
Full Length Mock - 9
Full Length Mock - 10

Finally... How to get registered for Test Series ?

Step - I	Step - II
Visit http://onlinetestseries.gateacademy.co.in Click on New Registration Fill the Form, You will be Redirected to the Test Portal Click on buy Package Make Payment using Coupon code (For gate academy student) or by online payment.	Send completely filled registration form to our office (for gate academy student)