



ACE

Engineering Academy

GATE-2021 Online Test Series

Computer Science and Information Technology - Schedule

No. of Test : 64 (22 Topic wise Tests + 30 Grand Tests + 12 Full Length Mock Tests)
 + **Free** 53 practice Tests of GATE-2020 Online Test Series

Topic wise Tests

Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
Test-01	Digital Logic-1: Number Systems, Boolean Expression, Boolean Laws & K-maps	15	25	45 mins	03-06-2020
Test-02	Digital Logic-2: Sequential Circuits & Counters, Combinational Circuits, Multiplex & De-Multiplex	15	25	45 mins	
Test-03	Computer Organization-1: Number System ALU & Data Path, Memory Organization (Cache, Main & Secondary Storage).	15	25	45 mins	
Test-04	Computer Organization-2: Instruction Pipelining, Pipeline Hazards, Control Unit Design(H/W & Micro Programmed Control), Machine Instructions & Addressing Modes, I/O Interface(Interrupt and DMA mode), Serial Communication Interface.	15	25	45 mins	
Test-05	Computer Networks-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	15	25	45 mins	11-06-2020
Test-06	Computer Networks-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; Application layer protocols: DNS, SMTP, HTTP, FTP, Email.	15	25	45 mins	
Test-07	Theory of Computation-1: Finite automata(DFA, NFA), Regular languages, Regular expression, closure properties of regular sets, pumping lemma. FA WITH OUTPUT, PDA, DPDA. Cfg, Normalisation of Cfg, Dcfl, CFL, closure properties.	15	25	45 mins	
Test-08	Theory of Computation-2: Turning machine, Recursive languages, REL, closure properties of REL, LBA, Csl, closure properties Of csl, Decidable and undecidable/computability, Complexity.	15	25	45 mins	
Test-09	Discrete Mathematics-1: Mathematical Logic & Set Theory, Relations, Lattices, Monoids, Groups	15	25	45 mins	18-06-2020
Test-10	Discrete Mathematics-2: Graph Theory, Combinatorics	15	25	45 mins	
Test-11	Discrete Mathematics-3: Probability and Statistics, Calculus, Matrix, Algebra, LU decomposition	15	25	45 mins	
Test-12	Operating Systems-1: Introduction, Process Management, System Calls, Synchronization and Concurrency Control, Deadlocks	15	25	45 mins	
Test-13	Operating Systems-2: Memory Management, CPU and I/O scheduling, File Systems,	15	25	45 mins	25-06-2020
Test-14	Algorithms-1: Algorithm Analysis & Asymptotic Notations, Divide and Conquer, Greedy Method	15	25	45 mins	
Test-15	Algorithms-2: Dynamic Programming, Graph Techniques.	15	25	45 mins	
Test-16	Database-1: ER Diagrams, FD, Normalization	15	25	45 mins	
Test-17	Database-2: SQL, RA & RC and Transaction concurrency, Indexing (e.g., B and B+ trees).	15	25	45 mins	02-07-2020
Test-18	Compiler Design: Lexical Analysis & Parsing, Semantic Analysis(SDT), Intermediate code generation, Basics of Optimization	15	25	45 mins	
Test-19	Programming Languages & Data Structures-1: Programming in C, Recursion; Arrays, Stacks, Queues, Linked Lists, Trees, Graphs & Hashing	15	25	45 mins	
Test-20	Programming Languages & Data Structures-2: Programming in C; Recursion, Arrays, Stacks, Queues, Linked Lists, Trees, Graphs & Hashing	15	25	45 mins	

Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
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	15	25	45 mins	02-07-2020
Test-22	Numerical Ability: 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. 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.	15	25	45 mins	

Subject Wise Grand Tests - 1st Series

Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
Test-23	Digital Logic	30	50	90 mins	16-07-2020
Test-24	Computer Organization	30	50	90 mins	
Test-25	Computer Networks & Network Security	30	50	90 mins	23-07-2020
Test-26	Theory of Computation	30	50	90 mins	
Test-27	Discrete Mathematics	30	50	90 mins	30-07-2020
Test-28	Operating Systems	30	50	90 mins	
Test-29	Algorithms	30	50	90 mins	06-08-2020
Test-30	Database	30	50	90 mins	
Test-31	Compiler Design	30	50	90 mins	12-08-2020
Test-32	Programming Languages & Data Structures	30	50	90 mins	
Test-33	General Aptitude	30	50	90 mins	

Full Length Mock GATE Test - 1st Series (As per GATE pattern)

Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
Test-34	Full Length GATE Mock Test-1	65	100	180 mins	20-08-2020
Test-35	Full Length GATE Mock Test-2	65	100	180 mins	27-08-2020
Test-36	Full Length GATE Mock Test-3	65	100	180 mins	03-09-2020

Subject Wise Grand Tests - 2nd Series

Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
Test-37	Digital Logic	30	50	90 mins	10-09-2020
Test-38	Computer Organization	30	50	90 mins	
Test-39	Computer Networks & Network Security	30	50	90 mins	17-09-2020
Test-40	Theory of Computation	30	50	90 mins	
Test-41	Discrete Mathematics	30	50	90 mins	24-09-2020
Test-42	Operating Systems	30	50	90 mins	
Test-43	Algorithms	30	50	90 mins	01-09-2020
Test-44	Database	30	50	90 mins	
Test-45	Compiler Design	30	50	90 mins	08-10-2020
Test-46	Programming Languages & Data Structures	30	50	90 mins	
Test-47	General Aptitude	30	50	90 mins	

Full Length Mock GATE Tests- 2nd Series

Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
Test-48	Full Length GATE Mock Test-4	65	100	180 mins	15-10-2020
Test-49	Full Length GATE Mock Test-5	65	100	180 mins	22-10-2020
Test-50	Full Length GATE Mock Test-6	65	100	180 mins	29-10-2020

Multi-Subject Wise Grand Tests

Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
Test-51	Programming Languages & Data Structures	30	50	90 mins	05-11-2020
Test-52	Computer Organization & Digital Logic	30	50	90 mins	
Test-53	Theory of Computation & Compiler Design	30	50	90 mins	12-11-2020
Test-54	Computer Networks and Network Security & Database	30	50	90 mins	
Test-55	Operating Systems & Algorithms	30	50	90 mins	19-11-2020
Test-56	Programming Languages & Data Structures, Computer Organization, Digital Logic & Computer Networks and Network Security	30	50	90 mins	
Test-57	Theory of Computation, Compiler Design, Operating Systems, Algorithms & Database	30	50	90 mins	26-11-2020
Test-58	Discrete Mathematics & General Aptitude	30	50	90 mins	

Full Length Mock GATE Tests - 3rd Series

Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
Test-59	Full Length GATE Mock Test-7	65	100	180 mins	03-12-2020
Test-60	Full Length GATE Mock Test-8	65	100	180 mins	10-12-2020
Test-61	Full Length GATE Mock Test-9	65	100	180 mins	05-01-2020
Test-62	Full Length GATE Mock Test-10	65	100	180 mins	12-01-2020
Test-63	Full Length GATE Mock Test-11	65	100	180 mins	19-01-2020
Test-64	Full Length GATE Mock Test-12	65	100	180 mins	26-01-2020

Free Practice Tests of GATE-2020 Online Test Series

Topic wise Tests

Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
CSIT_P01	Digital Logic-1: Number Systems, Boolean Expression, Boolean Laws & K-maps	15	25	45 mins	20-04-2020
CSIT_P02	Digital Logic-2: Sequential Circuits & Counters, Combinational Circuits, Multiplex & De-Multiplex	15	25	45 mins	
CSIT_P03	Computer Organization-1: Number System ALU & Data Path, Memory Organization (Cache, Main & Secondary Storage).	15	25	45 mins	
CSIT_P04	Computer Organization-2: Instruction Pipelining, Control Unit Design(H/W & Micro Programmed Control), Machine Instructions & Addressing Modes, I/O Interface(Interrupt and DMA mode), Serial Communication Interface.	15	25	45 mins	
CSIT_P05	Computer Networks-1: Concept of Layering , LAN Technologies, Data Link Layer, Switching, Network Layer(IPv4, IPv6)	15	25	45 mins	
CSIT_P06	Computer Networks-2: Routing Algorithms, TCP / UDP and Sockets, Congestion Control, Application Layer Protocols, Basics of Wifi , Network Security	15	25	45 mins	
CSIT_P07	Theory of Computation-1: Finite Automata (DFA, NFA, E-NFA) & Regular Expression	15	25	45 mins	
CSIT_P08	Theory of Computation-2: Moore and Mealy Machines, Properties of Regular Languages, Grammar, CFG, CFL & PDA Turing Machines & Compatibility (Decidable, Un-Decidability)	15	25	45 mins	

Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
CSIT_P09	Discrete Mathematics-1: Mathematical Logic & Set Theory, Relations, Lattices , Groups	15	25	45 mins	20-04-2020
CSIT_P10	Discrete Mathematics-2: Graph Theory, Combinatorics	15	25	45 mins	
CSIT_P11	Discrete Mathematics-3: Probability, Calculus, Matrix, Algebra, LU decomposition	15	25	45 mins	
CSIT_P12	Operating Systems-1: Introduction,Process Management, Synchronization and Concurrency Control, Deadlocks	15	25	45 mins	
CSIT_P13	Operating Systems-2: Memory Management,File Systems	15	25	45 mins	
CSIT_P14	Algorithms-1: Algorithm Analysis & Asymptotic Notations,Divide and Conquer, Greedy Method	15	25	45 mins	
CSIT_P15	Algorithms-2: Dynamic Programming,Graph Techniques.	15	25	45 mins	
CSIT_P16	Database-1: ER Diagrams, FD, Normalization	15	25	45 mins	
CSIT_P17	Database-2: SQL, RA & RC and Transaction concurrency, Indexing (e.g., B and B+ trees).	15	25	45 mins	
CSIT_P18	Compiler Design: Lexical Analysis & Parsing ,Semantic Analysis(SDT), Intermediate code generation	15	25	45 mins	
CSIT_P19	Programming Languages & Data Structures-1: Programming in C,Recursion;Arrays, Stacks , Queues, Linked Lists, Trees, Graphs & Hashing	15	25	45 mins	
CSIT_P20	Programming Languages & Data Structures-2: Programming in C; Recursion,Arrays, Stacks , Queues, Linked Lists, Trees, Graphs & Hashing	15	25	45 mins	
CSIT_P21	Verbal Ability: English grammar, sentence completion, verbal analogies, word groups, instructions, critical reasoning and verbal deduction.	15	25	45 mins	
CSIT_P22	Numerical Ability: Numerical computation, numerical estimation, numerical reasoning and data interpretation.	15	25	45 mins	

Subject Wise Grand Tests					
Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
CSIT_P23	Digital Logic	30	50	90 mins	20-04-2020
CSIT_P24	Computer Organization	30	50	90 mins	
CSIT_P25	Computer Networks & Network Security	30	50	90 mins	
CSIT_P26	Theory of Computation	30	50	90 mins	
CSIT_P27	Discrete Mathematics	30	50	90 mins	
CSIT_P28	Operating Systems	30	50	90 mins	
CSIT_P29	Algorithms	30	50	90 mins	
CSIT_P30	Database	30	50	90 mins	
CSIT_P31	Compiler Design	30	50	90 mins	
CSIT_P32	Programming Languages & Data Structures	30	50	90 mins	
CSIT_P33	General Aptitude	30	50	90 mins	

Multi-Subject Wise Grand Tests

Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
CSIT_P34	Programming Languages & Data Structures	30	50	90 mins	20-04-2020
CSIT_P35	Computer Organization & Digital Logic	30	50	90 mins	
CSIT_P36	Theory of Computation & Compiler Design	30	50	90 mins	
CSIT_P37	Computer Networks and Network Security & Database	30	50	90 mins	
CSIT_P38	Operating Systems & Algorithms	30	50	90 mins	
CSIT_P39	Programming Languages & Data Structures, Computer Organization, Digital Logic & Computer Networks and Network Security	30	50	90 mins	
CSIT_P40	Theory of Computation, Compiler Design, Operating Systems, Algorithms & Database	30	50	90 mins	
CSIT_P41	Discrete Mathematics & General Aptitude	30	50	90 mins	

Full Length Mock GATE Tests

Test No	Name of the Topic	No. of Questions	Max Marks	Duration	Date of Activation
CSIT_P42	Full Length GATE Mock Test-1	65	100	180 mins	20-04-2020
CSIT_P43	Full Length GATE Mock Test-2	65	100	180 mins	
CSIT_P44	Full Length GATE Mock Test-3	65	100	180 mins	
CSIT_P45	Full Length GATE Mock Test-4	65	100	180 mins	
CSIT_P46	Full Length GATE Mock Test-5	65	100	180 mins	
CSIT_P47	Full Length GATE Mock Test-6	65	100	180 mins	
CSIT_P48	Full Length GATE Mock Test-7	65	100	180 mins	
CSIT_P49	Full Length GATE Mock Test-8	65	100	180 mins	
CSIT_P50	Full Length GATE Mock Test-9	65	100	180 mins	
CSIT_P51	Full Length GATE Mock Test-10	65	100	180 mins	
CSIT_P52	Full Length GATE Mock Test-11	65	100	180 mins	
CSIT_P53	Full Length GATE Mock Test-12	65	100	180 mins	