

**GATE 2018 Online Test Series - Computer science Engineering**

Test No	Type of test	Test Live from	Test details	Test Syllabus	Difficulty level	No of questions	Max Marks	Test duration
1	Unit Test - Partial Syllabus	29th March 2017 Onwards	Engineering Mathematics-I	Linear Algebra,Statistics	Easy	10	15	30 min
2			Engineering Mathematics-II	Probability,Calculus	Easy	10	15	30 min
3			Discrete Mathematics-I	Mathematical Logic-Proportional & First Orderlogic, Graph Theory	Easy	10	15	30 min
4			Discrete Mathematics-II	Set Theory-Functions,Sets,Relations	Easy	10	15	30 min
5			Discrete Mathematics-III	Combinatriocs-Recurrence Relations,Counting, Generating Functions	Easy	10	15	30 min
6			Digital Logic-I	Logic Gates, Boolean Algebra,Logic Expression Minimization	Easy	10	15	30 min
7			Digital Logic-II	Combinational Circuits	Easy	10	15	30 min
8			Digital Logic-III	Ac Circuits	Easy	10	15	30 min
9			Computer Organization-I	Cpu Control Design,Addressing Modes, Machine Instructions, Alu & Datapath	Easy	10	15	30 min
10			Computer Organization-II	Instruction Pipelining, Cache & Main Memory	Easy	10	15	30 min
11			Computer Organization-III	I/O Interface	Easy	10	15	30 min
12			Theory of Computation-I	Finite Automata, Regular Expressions	Easy	10	15	30 min
13			Theory of Computation-II	Regular Languages, Pumming Lemmina & Mealy And Moore Machine	Easy	10	15	30 min
14			Theory of Computation-III	Context Free Languages & Pushdown Automata	Easy	10	15	30 min
15			Theory of Computation-IV	Turning Machine & Undeciadability	Easy	10	15	30 min
16			Programming & Data Structures-I	C-Programming & Arrays	Easy	10	15	30 min
17			Programming & Data Structures-II	Stacks & Queues	Easy	10	15	30 min
18			Programming & Data Structures-III	Trees	Easy	10	15	30 min
19			Algorithms-I	Graph Algorithms & Hashing	Easy	10	15	30 min
20			Algorithms-II	Searching, Sorting & Asymptotic Notations	Easy	10	15	30 min
21			Algorithms-III	Divide & Conquer, Dynamic Programming & Greedy Method	Easy	10	15	30 min
22			Compiler Design-I	Lexical Analysis, Parsing & Yacc Tool	Easy	10	15	30 min
23			Compiler Design-II	Syntax Dirctected Translation(Sdt)	Easy	10	15	30 min
24			Compiler Design-III	Runtime Environmnets & Intermediate Code Generation	Easy	10	15	30 min
25			Operating Systems-I	Process, Threads & Cpu Scheduling	Easy	10	15	30 min
26			Operating Systems-II	Ipc, Concurrency, Synchronization	Easy	10	15	30 min
27			Operating Systems-III	Dead Locks & Files Systems	Easy	10	15	30 min
28			Operating Systems-IV	Memory Management & Virtual Memory	Easy	10	15	30 min
29			DBMS-I	E-R Model, Relational Model, Integrity Constraints	Easy	10	15	30 min

30		DBMS-II	Sql, Relational Algebra & Calculus	Easy	10	15	30 min
31		DBMS-III	File Organization	Easy	10	15	30 min
32		DBMS-IV	Transaction Management	Easy	10	15	30 min
33		Computer Networks-I	Error & Flow Control, Lan Technologies, Iso/Osi Stack	Easy	10	15	30 min
34		Computer Networks-II	Tcp/Udp And Sockets, Routing Algorithms	Easy	10	15	30 min
35		Computer Networks-III	Application Layer Protocols, Ipv4, Switching	Easy	10	15	30 min
36		Computer Networks-IV	Public Key Crptography	Easy	10	15	30 min
37		Verbal Ability-I	Antonyms, Synonyms, Verbal Analogies, Word Group, Spotting Errors And Vocabulary Building	Easy	10	15	30 min
38		Verbal Ability-II	Sentence Completion, Sentence Improvement, Critical Reasoning, Statements And Conclusions,	Easy	10	15	30 min
39		Numerical Ability-I	Profitr Or Loss, Averages, Number Series, Time And Work, Time, Speed And Distance, Ratios And Proportions And Functions	Easy	10	15	30 min
40		Numerical Ability-II	Data Interpretation, Data Sufficiency, Clocks And Calendars, Directions And Blood Relations	Easy	10	15	30 min
1		Engineering Mathematics-I	Linear Algebra, Statistics	Moderate	20	30	60 min
2		Engineering Mathematics-II	Probability, Calculus	Moderate	20	30	60 min
3		Discrete Mathematics-I	Mathematical Logic, Recurrance Relations And Generating Functions	Moderate	20	30	60 min
4		Discrete Mathematics-II	Set Theory	Moderate	20	30	60 min
5		Discrete Mathematics-III	Combinatorics And Graph Theory	Moderate	20	30	60 min
6		Digital Logic-I	Logic Gates, Boolean Algebra, Logic Expression Minimization	Moderate	20	30	60 min
7		Digital Logic-II	Combinational Circuits	Moderate	20	30	60 min
8		Digital Logic-III	Sequential Circuits, Number System & Binary Codes	Moderate	20	30	60 min
9		Computer Organization-I	Computer Arithmetic & Alu, Instruction Set Architecture, Control Unit Design	Moderate	20	30	60 min
10		Computer Organization-II	, Secondary Storage, Instruction Pipelining	Moderate	20	30	60 min
11		Computer Organization-III	I/O Devices	Moderate	20	30	60 min
12		Theory of Computation-I	Finite State Machine	Moderate	20	30	60 min
13		Theory of Computation-II	Regular Language And Regular Expression	Moderate	20	30	60 min
14		Theory of Computation-III	Push Down Automata	Moderate	20	30	60 min
15		Theory of Computation-IV	Turing Machine & Undecidability	Moderate	20	30	60 min
16		Programming & Data Structures-I	Programming In C, Arrays	Moderate	20	30	60 min
17		Programming & Data Structures-II	Linked Lists, Stacks, Queues	Moderate	20	30	60 min

18	Section Test - Partial Syllabus	7th June 2017 Onwards	Programming & Data Structures-III	Trees	Moderate	20	30	60 min		
19			Algorithms-I	Graphs, Hashing	Moderate	20	30	60 min		
20			Algorithms-II	Analysis Of Algorithms, Sorting Algorithm	Moderate	20	30	60 min		
21			Algorithms-III	Divide & Conquer Strategy, Greedy Method, Dynamic Programming	Moderate	20	30	60 min		
22			Compiler Design-I	. Syntax Analysis	Moderate	20	30	60 min		
23			Compiler Design-II	Syntax Directed Translation	Moderate	20	30	60 min		
24			Compiler Design-III	Runtime Environment, Intermediate Code Generation & Code Optimization	Moderate	20	30	60 min		
25			Operating Systems-I	Introduction To Operating Systems, Process & Cpu Scheduling	Moderate	20	30	60 min		
26			Operating Systems-II	Ipc And Synchronization	Moderate	20	30	60 min		
27			Operating Systems-III	Deadlock & Concurrency, File System	Moderate	20	30	60 min		
28			Operating Systems-IV	State Space Analysis, Controllability, Observability	Moderate	20	30	60 min		
29			DBMS-I	Entity Relationship (E/R) Model, Functional Dependency & Normalization	Moderate	20	30	60 min		
30			DBMS-II	Relational Algebra & Relational, Structured Query Language	Moderate	20	30	60 min		
31			DBMS-III	File Structuring & Indexing	Moderate	20	30	60 min		
32			DBMS-IV	Transaction Management & Concurrency Protocols	Moderate	20	30	60 min		
33			Computer Networks-I	Basics Of Networking, Network Performance Parameters, Lan Technologies (Ieee 802.3)	Moderate	20	30	60 min		
34			Computer Networks-II	Transport Layer	Moderate	20	30	60 min		
35			Computer Networks-III	Network Layer, Switching, Basics Of Wi-Fi	Moderate	20	30	60 min		
36			Computer Networks-IV	Network Security	Moderate	20	30	60 min		
37			Verbal Ability-I	Antonyms, Synonyms, Verbal Analogies, Word Group, Spotting Errors And Vocabulary Building	Moderate	20	30	60 min		
38			Verbal Ability-II	Sentence Completion, Sentence Improvement, Critical Reasoning, Statements And Conclusions,	Moderate	20	30	60 min		
39			Numerical Ability-I	Profitr Or Loss, Averages, Number Series,Time And Work, Time, Speed And Distance, Ratios And Proportions And Functions	Moderate	20	30	60 min		
40			Numerical Ability-II	Data Interpretation, Data Sufficiency, Clocks And Calendars, Directions And Blood Relations	Moderate	20	30	60 min		
1				19th July'17 Onwards	Extra Edge Test-01	Full Syllabus	Easy	65	100	180 min
2				2nd August'17 Onwards	Extra Edge Test-02	Full Syllabus	Easy	65	100	180 min
3				16th August'17 Onwards	Extra Edge Test-03	Full Syllabus	Easy	65	100	180 min

4	<b>Full length Mock Tests</b>	30th August'17 - 13th Sept'17	Self Administered Test-1	Full Syllabus	Easy & Moderate	65	100	180 min
5		13th Sept'17 Onwards	Extra Edge Test-04	Full Syllabus	Easy & Moderate	65	100	180 min
6		27th Sept'17 - 11th Oct'17	Self Administered Test-2	Full Syllabus	Easy & Moderate	65	100	180 min
7		4th Oct'17 Onwards	Extra Edge Test-05	Full Syllabus	Easy & Moderate	65	100	180 min
8		18th Oct'17 - 31st Oct'17	Self Administered Test-3	Full Syllabus	Moderate	65	100	180 min
9		1st Nov'17 Onwards	Extra Edge Test-06	Full Syllabus	Moderate	65	100	180 min
10		15th Nov'17 - 28th Nov'17	Self Administered Test-4	Full Syllabus	Moderate	65	100	180 min
11		29th Nov'17 - 12th Dec'17	Self Administered Test-5	Full Syllabus	Moderate	65	100	180 min
12		13th Dec'17 - 26th Dec'17	Self Administered Test-6	Full Syllabus	Moderate & Hard	65	100	180 min
13		23rd Dec'17 - 29th Dec'17	Monitored Test-01	Full Syllabus	Moderate & Hard	65	100	180 min
14		30th Dec'17 - 5th Jan'17	Monitored Test-02	Full Syllabus	Hard	65	100	180 min
15		6th Jan'17 - 12th Jan'18	Monitored Test-03	Full Syllabus	Hard	65	100	180 min
16		23rd Jan'18 - 29th Jan'18	Monitored Test-04	Full Syllabus	GATE level	65	100	180 min



