August		September			October			November			December		
Date	Topic	Date	Topic		Date	Topic		Date	Topic		Date	Topic	
18	Propositional and First Order Logic	1	Mean, median, mode and standard deviation, Conditional probability and Bayes theorem		1	Memory hierarchy: cache, main memory and secondary storage		1	Algorithm design techniques: greedy, dynamic programming and divide-and-conquer		1	Application layer protocols (DNS, SMTP, POP, FTP, HTTP). Basics of Wi-Fi	
19	Sets, relations, functions, partial orders and lattices	2	Revision	**Test-1** (Maths)	2			2			2	Network security: authentication, basics of public key and private key cryptography, digital signatures	
20		3	ER-model		3	I/O interface (Interrupt and DMA mode)		3	Graph search, minimum spanning trees, shortest paths		3		
21	Group Theory	4	Database Design		4			4			4		
22	Graphs: connectivity, matching, coloring	5			5	Revision	**Test-4** (CO)	5			5	Revision	**Test-9** (CN)
23		6	Relational algebra, Relational calculus		6			6	Revision		6		
24	Combinatorics: counting	7			7	Operators		7		**Test-7** (Algorithm)	7	Regular epressions and finite automata	
25	recurrence relations	8	SQL		8	Scope of variables		8	Process Management		8		
26	generating functions	9	Transactions and concurrency control		9	Function		9	Process Synchronisation		9		
27	Linear Algebra: Matrices, determinants, system of linear equations, eigenvalues and	10			10	Recursion		10			10	Context-free grammars and push-down automata	
28		11	File organization, indexing (e.g., B and B+ trees)		11	Arrays		11			11		
29	Calculus: Limits, continuity and differentiability. Maxima and minima, Integration	12			12	Pointers		12	Deadlock		12		
30		13	Revision	**Test-2** (DBMS)	13	Structure		13	Memory management		13	Turing machines	
31	Probability: Random variables. Uniform, normal, exponential, poisson and binomial distributions	14	Boolean algebra		14	Union, Enum	**Test-5** (PL)	14			14		
		15	Number representations		15	Revision		15	Virtual memory		15	Undecidability	
		16	Minimisation		16	Arrays		16			16		**Test -10** (TOC)
		17	Combinational Circuit		17	Linked List		17	File systems		17	Revision	
		18			18			18		**Test- 8** (OS)	18		
		19	Sequential Circuit		19	Stack, Queue		19	Revision		19	Lexical analysis	
		20			20	Trees, Binary search trees		20			20	Parsing	
		21	Revision	**Test-3** (Digital Logic)	21			21	Concept of layering. LAN technologies (Ethernet)		21		
		22	Computer arithmetic (fixed and floating point)		22	Binary heaps		22			22	Syntax-directed translation	
		23			23	Graphs		23	Flow and error control techniques, Switching		23	Runtime environments & Intermediate code generation	**Test -11** (CD)
		24	Machine instructions and addressing modes		24	Revision		24			24	Revision	
		25			25	Asymptotic worst case time and space complexity	**Test-6** (DS)	25			25	Number Systems, Averages, Alligations and Mixtures	
		26	ALU, data-path and control unit		26			26	IPv4/IPv6, routers and routing algorithms (distance vector, link state)		26	Progressions Percentages, Profit and Loss	
		27			27	Sorting		27			27	Time and Work, Time, Distance and Speed	**Test -12** (Apti)
		28	Instruction pipelining		28			28			28	Ratio, Proportion and Variation	
		29			29	Searching		29	TCP/UDP and sockets, congestion control		29	Quadratic Equations, Logarithm	
		30			30	Hashing		30			30	Permutation and Combination, Probability	
					31						31		

My GATE 2018 Status

- ☑ Mathematics
- ☐ Database Management System
- ☐ Digital Logic
- ☐ Computer Organization
- ☐ Programming Language
- ☐ Data Structude
- ☐ Algorithms
- ☐ Operating System
- ☐ Computer Networks
- ☐ Theory of Computation
- ☐ Compiler Design
- ☐ Aptitude