

Sr. No.	Subject	Topic	Studied Once	Revision 1	Revision 2	Revision 3	PYQ	Strong
1	Algo	Asymptotic Analysis						
2		Recurrence Relation						
3		Divide and Conquer						
4		Sorting Techniques						
5		Greedy Technique						
6		Minimum Spanning Tree						
7		Shortest Path						
8		Dynamic Programming						
9	DS	Array						
10		Linked List						
11		Stack						
12		Queue						
13		Binary Tree						
14		Binary Search Tree						
15		AVL Tree						
16		B Tree						
17		B+ Tree						
18		Heap Tree						
19		n-ary Tree						
20		Hashing						
21	C	Arithmetic Operation						
22		Conditional Statement						
23		Loops						
24		Array and Pointers						
25		Functions						
26	CD	Lexical Analysis						
27		Parsing						
28		Syntax-Directed Translation						
29		Intermediate Code Generation						
30		Runtime Environment						
31		String Matching						
32		Code Optimization						
33	TOC	Regular Expressions						
34		Regular Grammar						
35		Regular Language						
36		Finite Automata						
37		Context Free Grammar						
38		Context Free Language						
39		Push Down Automata						
40		Recursive Language						
41		Turing Machine						
42		Undecidability						

Sr. No.	Subject	Topic	Studied Once	Revision 1	Revision 2	Revision 3	PYQ	Strong
43	OS	Process						
44		CPU Scheduling						
45		Process Scheduling						
46		Deadlock						
47		Memory Management						
48		File System						
49		Disk Scheduling						
50		System Call						
51		Thread						
52	CN	OSI Model						
53		Physical Layer						
54		Data Link Layer						
55		Network Layer						
56		Transport Layer						
57		Application Layer						
58		Network Security						
59	COA	Machine Instructions						
60		Addressing Modes						
61		ALU Data Path & CU						
62		IO Interface						
63		Interrupt						
64		Pipeline Processor						
65		Cache Memory						
66		Secondary Storage						
67		Memory Chip Design						
68	DBMS	ER Model						
69		Relational Schema						
70		Relational Algebra						
71		Normalization						
72		Transactions						
73		Integrity Constraints						
74		SQL						
75		Tuple Calculus						
76		File System & Indexing						
77	DM	Propositional Logic						
78		Set Theory						
79		Relation						
80		Functions						
81		Lattice						
82		Group Theory						
83		Graph Theory						
84		Planar Graphs						
85		Combination						
86		Probability						
87		Recurrence						

Sr. No.	Subject	Topic	Studied Once	Revision 1	Revision 2	Revision 3	PYQ	Strong
88	DL	Number System						
89		Boolean Algebra						
90		Combinational Circuits						
91		Sequential Circuits						
92	EM	Linear Algebra						
93		Calculus						
94		Probability						