

Algorithm (338)

1.	Algorithm	58	
2.	Arrays	4	
3.	Asymptotic Notations	16	
4.	Binary Heap	1	
5.	Binary Search	5	
6.	Binary Tree	11	
7.	Connected Components	6	
8.	Decidability	1	
9.	Dfs	1	
10.	Distance Vector Routing	1	
11.	Dynamic Programming	2	
12.	Expectation	2	
13.	Graph Algorithms	29	
14.	Graph Search	1	
15.	Greedy Algorithm	1	
16.	Hashing	2	
17.	Heap	4	
18.	Huffman Code	3	
19.	Identify Function	19	
20.	Insertion Sort	1	
21.	Lines Curves	1	
22.	Linked Lists	5	
23.	Loop Invariants	2	
24.	Matrix Chain Ordering	2	
25.	Merge Sort	3	
26.	Minimum	1	
27.	Minimum Spanning Trees	4	
28.	P Np Npc Nph	14	
29.	Programming In C	2	
30.	Quicksort	3	
31.	Radix Sort	1	
32.	Recurrence	26	

33.	Recursion	14	
34.	Reduction	1	
35.	Runtime Environments	1	
36.	Shortest Path	5	
37.	Sorting	31	
38.	Space Complexity	1	
39.	Spanning Tree	26	
40.	Test Cases	2	
41.	Time Complexity	17	
42.	Topological Sort	2	
43.	Transactions	1	
44.	Trees	4	

CO & Architecture (160)

1.	CO & Architecture	13	
2.	Addressing Modes	13	
3.	Cache	1	
4.	Cache Memory	44	
5.	Computer Organization	4	
6.	Data Dependencies	2	
7.	Data Path	4	
8.	Dma	2	
9.	Instruction Format	4	
10.	Interrupts	7	
11.	Io Handling	3	
12.	Machine Instructions	14	
13.	Microprogramming	11	
14.	Page Fault	1	
15.	Pipeline	31	
16.	Virtual Memory	3	

Compiler Design (135)

1.	Compiler Design	15	
2.	Assembler	3	
3.	Code Optimization	2	
4.	Context Free	1	
5.	Dag Representation	1	
6.	Grammar	37	
7.	Intermediate Code	8	
8.	Lexical Analysis	4	
9.	Linking	1	
10.	Live Variable	1	
11.	Macros	3	
12.	Parameter Passing	2	
13.	Parsing	37	
14.	Postfix	1	
15.	Programming In C	1	
16.	Recursion	1	
17.	Register Allocation	1	
18.	Runtime Environments	5	
19.	Static Single Assignment	1	
20.	Syntax Directed Translation	9	
21.	Target Code Generation	4	

Computer Networks (177)

1.	Computer Networks	11	
2.	Application Layer Protocols	7	
3.	Bit Stuffing	1	
4.	Bridges	1	
5.	Communication	8	
6.	Congestion Control	4	
7.	Crc Polynomial	2	
8.	Cryptography	1	
9.	Csma	5	
10.	Distance Vector Routing	6	
11.	Encoding	1	
12.	Error Detection	5	
13.	Ethernet	3	
14.	Firewall	1	
15.	Hamming Code	1	
16.	Icmp	1	
17.	Ip Packet	7	
18.	Ipv4	6	
19.	Lan Technologies	6	
20.	Link State Routing	1	
21.	Mac Protocol	4	
22.	Manchester Encoding	2	
23.	Network Flow	6	
24.	Network Layering	4	
25.	Network Protocols	4	
26.	Network Security	13	
27.	Network Switching	3	
28.	Osi Protocol	3	
29.	Routers Bridge Hubs Switches	1	
30.	Routing	7	

31.	Selective Repeat	1	
32.	Serial Communication	2	
33.	Sliding Window	14	
34.	Sockets	4	
35.	Stop And Wait	3	
36.	Subnetting	16	
37.	Tcp	8	
38.	Token Bucket	1	
39.	Udp	3	
40.	Wifi	1	

Databases (188)

1.	Databases	18	
2.	B Tree	21	
3.	Concurrency	1	
4.	Database Normalization	26	
5.	Er Diagram	2	
6.	Er Model	3	
7.	Functional Dependencies	10	
8.	Indexing	8	
9.	Multivalued Dependency 4nf	1	
10.	Referential Integrity	2	
11.	Relational Algebra	14	
12.	Relational Calculus	26	
13.	Sql	33	
14.	Transactions	23	

Digital Logic (209)

1.	Digital Logic	67	
2.	Adder	2	
3.	Boolean Algebra	3	
4.	Boolean Expressions	6	
5.	Booths Algorithm	4	
6.	Booths Coding	1	
7.	Canonical Normal Form	6	
8.	Circuit Output	33	
9.	Counter	4	
10.	Flip Flop	4	
11.	Floating Point Representation	2	
12.	Functional Completeness	1	
13.	Gray Code	1	
14.	Half Adder	1	
15.	Ieee Representation	2	
16.	K Map	14	
17.	Memory Interfacing	1	
18.	Min No Gates	4	
19.	Min Sum Of Products Form	4	
20.	Minimal State Automata	1	
21.	Modular Arithmetic	1	
22.	Multiplexer	2	
23.	Multiplexor	1	
24.	Number Representation	41	
25.	Priority Encoder	1	
26.	Ram	2	

Discrete Mathematics Set Theory & Algebra (161)

1.	Set Theory & Algebra	64	
2.	Boolean Algebra	1	
3.	Boolean Expressions	1	
4.	Convergence	1	
5.	Countable Uncountable Set	1	
6.	Counting	2	
7.	Functions	24	
8.	Generating Functions	2	
9.	Groups	16	
10.	Injective Functions	1	
11.	Lattice	7	
12.	Lines Curves	1	
13.	Partial Order	11	
14.	Pigeonhole	1	
15.	Polynomials	1	
16.	Recurrence	2	
17.	Relations	15	
18.	Ring	1	
19.	Sequence	1	
20.	Sets	7	
21.	Time Complexity	1	

Discrete Mathematics Combinatory (37)

1.	Combinatory	25	
2.	Binary Tree	2	
3.	Combinations	1	
4.	Combinatorics	2	
5.	Counting	3	
6.	Permutation	1	
7.	Pigeonhole	1	
8.	Recurrence	2	

Discrete Mathematics Graph Theory (53)

1.	Graph Theory	25	
2.	Chromatic Number	2	
3.	Combinatorics	1	
4.	Connected Components	3	
5.	Cutvertices&edges	1	
6.	Graph Coloring	4	
7.	Graph Connectivity	10	
8.	Graph Isomorphism	1	
9.	Graph Matching	1	
10.	Groups	1	
11.	Havel Hakimi Theorem	2	
12.	Permutation	1	
13.	Spanning Tree	1	

Discrete Mathematics Mathematical Logic (66)

1.	Mathematical Logic	58	
2.	Boolean Expressions	1	
3.	Canonical Normal Form	1	
4.	First Order Logic	5	
5.	Logical Reasoning	1	

Programming & DS Programming (90)

1.	Programming & DS Programming	25	
2.	Activation Records	1	
3.	Arrays	2	
4.	Concurrency	1	
5.	Loop Invariants	3	
6.	Parameter Passing	3	
7.	Pointers	1	
8.	Post Condition	1	
9.	Programming In C	44	
10.	Programming Paradigms	1	
11.	Recursion	3	
12.	Runtime Environments	2	
13.	Stack	1	
14.	Variable Binding	2	

Programming & DS (146)

15.	Programming & DS	8	
16.	Arrays	6	
17.	Avl Tree	1	
18.	B Tree	1	
19.	Bfs	1	
20.	Binary Heap	7	
21.	Binary Search	3	
22.	Binary Tree	52	
23.	Bst	1	
24.	Counting	1	
25.	Graph Algorithms	1	
26.	Hashing	14	
27.	Heap	13	
28.	Infix Postfix	1	
29.	Linked Lists	8	
30.	Queues	6	
31.	Spanning Tree	1	
32.	Stack	12	
33.	Tree Traversal	1	
34.	Trees	8	

Engineering Mathematics Calculus (50)			
1.	Calculus	9	
2.	Continuity	3	
3.	Counting	1	
4.	Differentiability	4	
5.	Integration	10	
6.	Limits	11	
7.	Maxima Minima	11	
8.	Mean Value Theorem	1	

Engineering Mathematics Linear Algebra (64)			
1.	Linear Algebra	20	
2.	Cayley Hamilton Theorem	2	
3.	Eigen Value	17	
4.	Matrices	14	
5.	System Of Equations	10	
6.	Vector Space	1	

Engineering Mathematics Probability (94)			
1.	Probability	2	
2.	Bayes Theorem	2	
3.	Binomial Distribution	4	
4.	Conditional Probability	5	
5.	Expectation	8	
6.	Exponential Distribution	1	
7.	Huffman Code	1	
8.	Normal Distribution	1	
9.	Poisson Distribution	2	
10.	Probability	56	
11.	Random Variable	9	
12.	Uniform Distribution	2	

General Aptitude Numerical Ability (195)

1.	General Aptitude Numerical Ability	96	
2.	Bar Charts	1	
3.	Bayes Theorem	3	
4.	Circle	1	
5.	Clock Time	3	
6.	Complex Number	1	
7.	Compound Interest	1	
8.	Conditional Probability	2	
9.	Cost Market Price	4	
10.	Counting	1	
11.	Data Interpretation	1	
12.	Directions	1	
13.	Distance Time	4	
14.	First Order Logic	1	
15.	Fraction	1	
16.	Functions	1	
17.	Geometry	8	
18.	Inference	1	
19.	Logical Reasoning	7	
20.	Mean	1	
21.	Modular Arithmetic	1	
22.	Most Appropriate Word	1	
23.	Number Representation	2	
24.	Number Series	10	
25.	Numerical Methods	1	
26.	Odd One	2	
27.	Passage Reading	1	
28.	Percent	2	
29.	Pie Chart	5	
30.	Polynomials	1	
31.	Probability	9	

32.	Proportions	1	
33.	Quadratic Equations	1	
34.	Ratios	3	
35.	Sequence	4	
36.	Sets	1	
37.	Speed	2	
38.	Statistics	1	
39.	System Of Equations	1	
40.	Variance	1	

General Aptitude Verbal Ability (155)

1.	Verbal Ability	52	
2.	Closest Word	3	
3.	English Grammar	12	
4.	Grammatically Incorrect Sentence	2	
5.	Inference	2	
6.	Logical Reasoning	9	
7.	Meaning	13	
8.	Most Appropriate Alternative	4	
9.	Most Appropriate Word	24	
10.	Odd One	2	
11.	Opposite	2	
12.	Passage Reading	15	
13.	Tense	2	
14.	Verbal Reasoning	10	
15.	Word Pairs	3	

Operating System (264)

1.	Operating System	23	
2.	Cache Memory	1	
3.	Computer Peripherals	1	
4.	Concurrency	1	
5.	Context Switch	2	
6.	Dining Philosopher	1	
7.	Disk	29	
8.	Disk Scheduling	11	
9.	Dma	1	
10.	File	1	
11.	File System	3	
12.	Fork	3	
13.	Interrupts	5	
14.	Io Handling	7	
15.	Linking	1	
16.	Memory Allocation	1	
17.	Memory Management	6	
18.	Page Replacement	24	
19.	Process Schedule	32	
20.	Process Synchronization	44	
21.	Resource Allocation	24	
22.	Semaphore	6	
23.	Threads	4	
24.	User Modes	1	
25.	Virtual Memory	31	
26.	Working Set	1	

Theory of Computation (219)

1.	Theory of Computation	42	
2.	Chomsky Normal Form	1	
3.	Closure Property	4	
4.	Context Free	19	
5.	Decidability	12	
6.	Dfa	1	
7.	Finite Automata	32	
8.	Identify Class Language	12	
9.	Minimal State Automata	19	
10.	Myhill Nerode	1	
11.	Pda	10	
12.	Pumping Lemma	1	
13.	Recursive Recursively Enumerable	10	
14.	Regular Expressions	25	
15.	Regular Set	25	
16.	Turing Machine	5	