Table of Contents	Completed	Practiced	Revised	Practiced
1. Algorithms				
1. Algorithm Design				
2. Algorithm Design Techniques				
3. Asymptotic Notations				
4. Bst				
5. Dynamic Programming				
6. Graph Algorithms				
7. Greedy Algorithm				
8. Identify Function				
9. Minimum Maximum				
10. Minimum Spanning Trees				
11. Np Completeness				
12. Numerical Computation				
13. Recurrence				
14. Searching				
15. Sorting				
16. Spanning Tree				
17. Time Complexity				
2. Compiler Design				
1. Abstract Syntax Tree				
2. Assembler				
3. Code Optimization				
4. Compilation Phases				
5. Expression Evaluation				
6. Expression Tree				
7. Grammar				
8. Infix Postfix				
9. Intermediate Code				
10. Left Recursion				
11. Lexical Analysis				
12. Linking				
13. Live Variable				
14. Macros				
15. Parameter Passing				
16. Parsing				
17. Programming In C				
18. Recursion				
19. Register Allocation				
20. Runtime Environments				
21. Static Single Assignment				
22. Syntax Directed Translation				
23. Target Code Generation				
24. Variable Scope				
25. Viable Prefix				

3. Programming & DS: DS

1. Abstract Data Type
2. Arrays
3. Binary Search Tree
4. Binary Tree
5. Graph Search
6. Graphs
7. Hashing
8. Heap
9. Linked Lists
10. Queues
11. Stack
12. Trees

4. Programming & DS: Programming

1. Aliasing
2. Goto
3. Identify Function
4. Loop Invariants
5. Parameter Passing
6. Programming Constructs
7. Programming In C
8. Programming Paradigms
9. Pseudo Code
10. Recursion
11. Runtime Environments
12. Type Checking

5. Theory of Computation

1. Closure Property
2. Context Free Language
3. Decidability
4. Finite Automata
5. Grammar
6. Identify Class Language
7. Minimal State Automata
8. Non Determinism
9. Np Completeness
10. Pumping Lemma
11. Pushdown Automata
12. Recursive And Recursively Enumerable Languages
13. Regular Expressions
14. Regular Grammar
15. Regular Languages
16. Turing Machine

1. CO & Architecture

1. Addressing Modes
2. Cache Memory
3. Cisc Risc Architecture
4. Clock Frequency
5. Conflict Misses
6. Control Unit
7. Data Dependences
8. Data Path
9. Dma
10. Expanding Opcode
11. Instruction Execution
12. Instruction Format
13. Instruction Prefetch
14. Interrupts
15. Io Handling
16. Machine Instructions
17. Memory Interfacing
18. Microprogramming
19. Page Fault
20. Pipelining
21. Runtime Environments
22. Speedup & Virtual Memory

2. Computer Networks

1. Application Layer Protocols
2. Bit Stuffing
3. Bridges
4. Communication
5. Congestion Control
6. Crc Polynomial
7. Cryptography
8. Csma Cd
9. Distance Vector Routing
10. Dns
11. Encoding
12. Error Detection
13. Ethernet
14. Firewall
15. Hamming Code
16. Huffman Code
17. Icmp
18. Ip Packet
19. Ipv4
20. Lan Technologies
21. Link State Routing
22. Longest Mask

23. Mac Protocol
24. Manchester Encoding
25. Network Addressing
26. Network Communication
27. Network Flow
28. Network Layering
29. Network Protocols
30. Network Security
31. Network Switching
32. Osi Protocol
33. Routers Bridge Hubs Switches
34. Routing
35. Rsa Security Networks
36. Selective Repeat
37. Serial Communication
38. Sliding Window
39. Sockets
40. Stop And Wait
41. Subnetting
42. Tcp
43. Token Bucket
44. Token Ring
45. Udp
46. Wifi
3. Databases
1. B Tree
2. Candidate Keys
3. Concurrency
4. Conflict Serializable
5. Data Independence
6. Database Normalization
7. Er Diagram
8. Functional Dependencies
9. Indexing
10. Joins
11. Multivalued Dependency 4nf
12. Natural Join
13. Referential Integrity
14. Relational Algebra
15. Relational Calculus
16. Safe Query
17. Sql
18. Timestamp Ordering
19. Transaction And Concurrency
20. Transactions
21. Uniform Distribution

4. Digital Logic

1. Adder
2. Array Multiplier
3. Boolean Algebra
4. Boolean Expressions
5. Boolean Operations
6. Booth Recoding
7. Booths Algorithm
8. Canonical Normal Form
9. Carry Generator
10. Circuit Output
11. Conjunctive Normal Form
12. Decoder
13. Digital Circuits
14. Digital Counter
15. Dual Function
16. Fixed Point Representation
17. Flip Flop
18. Floating Point Representation
19. Functional Completeness
20. Gray Code
21. Half Adder
22. Hamming Code
23. Ieee Representation
24. K Map
25. Logic Gates
26. Memory Interfacing
27. Min No Gates
28. Min Product Of Sums
29. Min Sum Of Products Form
30. Minimal State Automata
31. Multiplexer
32. Number Representation
33. Phase Shift
34. Prime Implicants
35. Priority Encoder
36. Ram
37. Rom
38. Rs Flip Flop
39. Shift Registers
40. Static Hazard
41. Synchronous Asynchronous Circuits
42. Synchronous Circuit
43. Synchronous Counter
44. Xor

5. Operating System

1. Computer Peripherals
2. Concurrency
3. Context Switch
4. Critical Section
5. Dining Philosopher
6. Disk Scheduling
7. Disks
8. Dma
9. Effective Memory Access
10. File
11. File System
12. Fork
13. Inter Process Communication
14. Interrupts
15. Io Handling
16. Linking
17. Memory Allocation
18. Memory Management
19. Os Protection
20. Overlay
21. Page Replacement
22. Precedence Graph
23. Process
24. Process Schedule
25. Process Synchronization
26. Resource Allocation
27. Runtime Environments
28. Semaphore
29. System Calls
30. Threads
31. User Modes
32. Virtual Memory
33. Working Set

1. Discrete Mathematics: Combinatory

1. Generating Functions
2. Modular Arithmetic
3. Permutations And Combinations
4. Recurrence
5. Summation

2. Discrete Mathematics: Graph Theory

1. Counting
2. Degree Of Graph
3. Euler Graph
4. Graph Coloring
5. Graph Connectivity
6. Graph Isomorphism
7. Graph Matching
8. Graph Planarity
9. Line Graph
10. Regular Graph
11. Spanning Tree
12. Trees
13. Vertex Cover

3. Discrete Mathematics: Mathematical Logic

1. First Order Logic
2. Logical Reasoning
3. Propositional Logic

4. Discrete Mathematics: Set Theory & Algebra

1. Binary Operation
2. Counting
3. Fields
4. Functions
5. Generating Functions
6. Groups
7. Inequality
8. Lattice
9. Lines Curves
10. Mathematical Induction
11. Number Theory
12. Partial Order
13. Permutations And Combinations
14. Polynomials
15. Relations
16. Ring
17. Sets

5. Engineering Mathematics: Calculus

1. Continuity
2. Differentiability
3. Functions
4. Integration
5. Limits
6. Maxima Minima
7. Polynomials

6. Engineering Mathematics: Linear Algebra

1. Determinant
2. Eigen Value
3. Matrices
4. System Of Equations
5. Vector Space

7. Engineering Mathematics: Probability

1. Bayes Theorem
2. Binomial Distribution
3. Conditional Probability
4. Expectation
5. Exponential Distribution
6. Normal Distribution
7. Poisson Distribution
8. Probability
9. Random Variable
10. Uniform Distribution

8. General Aptitude: Numerical Ability

1. 2017
2. Absolute Value
3. Algebra
4. Arithmetic Series
5. Bar Charts
6. Bayes Theorem
7. Cartesian Coordinates
8. Circle
9. Clock Time
10. Complex Number
11. Compound Interest
12. Conditional Probability
13. Cost Market Price
14. Currency Money
15. Data Interpretation
16. Direction Sense
17. Factors
18. Fractions
19. Functions

20. Geometry
21. Inference
22. Limits
23. Logarithms
24. Logical Reasoning
25. Maxima Minima
26. Mean
27. Modular Arithmetic
28. No Of Digits
29. Number Representation
30. Number Series
31. Numerical Computation
32. Odd One
33. Percentage
34. Permutations And Combinations
35. Pie Chart
36. Pigeonhole
37. Polynomials
38. Probability
39. Proportions
40. Quadratic Equations
41. Ratios
42. Sequence
43. Sequence Series
44. Sets
45. Speed Time Distance
46. Statement Argument
47. Statement Sufficiency
48. Statistics
49. Summation
50. System Of Equations
51. Variance
52. Venn Diagrams
53. Work Time
9. General Aptitude: Verbal Ability
1. Closest Word
2. English Grammar
3. Geometry
4. Grammatically Incorrect Sentence
5. Inference
6. Logical Reasoning
7. Meaning
8. Median
9. Most Appropriate Alternative
10. Most Appropriate Word
11. Noun Verb Adjective

12. Odd One & Opposite				
13. Passage Reading				
14. Percentage				
15. Phrasal Verbs				
16. Probability				
17. Speed Time Distance				
18. Statements Follow				
19. Synonym				
20. Tenses				
21. Venn Diagrams				
22. Verbal Reasoning				
23. Word Pairs				