Course name: C Programming, Data Structures and Algorithms (for Placements)

Instructor: Krishna T

CLASS	CHAPTER	TOPIC	AUDIENCE
Class 1	Storage Classes	Memory, Auto	*for Placement Preparation*
Class 2	Storage Classes	Static, Global, Register	*for Placement Preparation*
Class 3	Operators	Associativity, Precedence	*for Placement Preparation*
Class 4	Functions	Call by Value, Call by Reference	*for Placement Preparation*
Class 5	Functions	Recursion	*for Placement Preparation*
Class 6	Arrays	Row Major Order, Column Major Order	*for Placement Preparation*
Class 7	Arrays	1 D Array, 2 D Array, Strings	*for Placement Preparation*
Class 8	Pointers	Function & Pointers	*for Placement Preparation*
Class 9	Pointers	Array & Pointers	*for Placement Preparation*
Class 10	Structures	Accessing Members, Union	*for Placement Preparation*
Class 11	Linked List	Insertion, Deletion into SLL	*for Placement Preparation*
Class 12	Linked List	Insertion, Deletion into DLL	*for Placement Preparation*
Class 13	Stack	Implementation	*for Placement Preparation*
Class 14	Stack	Prefix, Infix, Postfix conversions	*for Placement Preparation*
Class 15	Queue	Single Ended Queue, Priority Queue	*for Placement Preparation*
Class 16	Queue	Circular Queue	*for Placement Preparation*
Class 17	Towers Of Hanoi	Movements, Function Calls	*for Placement Preparation*
Class 18	Trees	Binary Tree, BST	*for Placement Preparation*
Class 19	Trees	Tree Traversal	*for Placement Preparation*
Class 20	Trees	AVL Trees	*for Placement Preparation*
Class 21	Time Complexity	Big Oh, Big Omega, Big Theta	*for Placement Preparation*
Class 22	Time Complexity	Iterative Algorithms	*for Placement Preparation*
Class 23	Time Complexity	Recursive Algorithms	*for Placement Preparation*
Class 24	Time Complexity	Master Theorem	*for Placement Preparation*
Class 25	Sorting Algorithms	Selection Sort, Bubble Sort, Merge Sort	*for Placement Preparation*
Class 26	Sorting Algorithms	Insertion Sort, Quick Sort	*for Placement Preparation*
Class 27	Sorting Algorithms	Heap Sort	*for Placement Preparation*
Class 28	Greedy Method	MST, Kruskal, Prins Algorithms	*for Placement Preparation*
Class 29	Greedy Method	BFS and DFS, Optimal Merge	*for Placement Preparation*
Class 30	Greedy Method	Dijkstra Algorithm	*for Placement Preparation*

Class 31	Dynamic Programming	Multistage Graph, All Pairs Shortest Path	*for Placement Preparation*
Class 32	Dynamic Programming	TSP, Matrix Chain Multiplication	*for Placement Preparation*
Class 33	Hashing	Direct Chaining, Linear Probing	*for Placement Preparation*

Chapter	# CLASSES
Arrays	2
Dynamic Programming	2
Functions	2
Greedy Method	3
Hashing	1
Linked List	2
Operators	1
Pointers	2
Queue	2
Sorting Algorithms	3
Stack	2
Storage Classes	2
Structures	1
Time Complexity	4
Towers Of Hanoi	1
Trees	3
Grand Total	**33**