LESSON PLAN (SESSION 2024-25)					
CLASS:- B.A.		**SEM:- VI**	**FACULTY NAME :- Suraj Mishra**		
SUBJECT :- Algorithm and Data Structures					
S.No.	Date.	Day	Paper No.	Unit Name.	Topic.
1	16-Jan-25	Thursday	2	**Introduction**	Basic Design
2	20-Jan-25	Monday	2	**Introduction**	Basic Design
3	21-Jan-25	Tuesday	2	**Introduction**	time and space complexity
	22-Jan-25	Wednesday	**CLASS TEACHING**		
4	23-Jan-25	Thursday	2	**Introduction**	time and space complexity
5	27-Jan-25	Monday	2	**Introduction**	Correctness of Algorithm
6	28-Jan-25	Tuesday	2	Algorithm Design Techniques	Iterative techniques
	29-Jan-25	Wednesday	**MONTHY EVALUATION**		
7	30-Jan-25	Thursday	2	Algorithm Design Techniques	Divide and Conquer
8	4-Feb-25	Tuesday	2	Algorithm Design Techniques	Dynamic Programming,
9	5-Feb-25	Wednesday	2	Algorithm Design Techniques	Greedy Algorithms
	6-Feb-25	Thursday	**CLASS TEACHING**		
10	10-Feb-25	Monday	2	**Stacks and Queues**	Implementing stack using array and linked list
11	11-Feb-25	Tuesday	2	**Stacks and Queues**	Implementing stack using array and linked list
12	13-Feb-25	Thursday	2	**Stacks and Queues**	Implementing stack using array and linked list
13	17-Feb-25	Monday	2	**Stacks and Queues**	Array and Linked representation of Queue
14	18-Feb-25	Tuesday	2	**Stacks and Queues**	Array and Linked representation of Queue
15	19-Feb-25	Wednesday	2	**Linked Lists**	Singly
16	20-Feb-25	Thursday	2	**Linked Lists**	Singly
17	24-Feb-25	Monday	2	**Linked Lists**	Doubly and Circular Lists
18	25-Feb-25	Tuesday	2	**Linked Lists**	Doubly and Circular Lists
19	27-Feb-25	Thursday	2	**Linked Lists**	representation of Stack and Queue as Linked Lists

20	3-Mar-25	Monday	2	**Linked Lists**	representation of Stack and Queue as Linked Lists
21	4-Mar-25	Tuesday	2	**Trees and Graph**	Introduction to Tree and Graph as a data structure
22	5-Mar-25	Wednesday	2	**Trees and Graph**	Introduction to Tree and Graph as a data structure
23	6-Mar-25	Thursday	2	**Trees and Graph**	Binary Trees
24	10-Mar-25	Monday	2	**Trees and Graph**	Binary Trees
25	11-Mar-25	Tuesday	2	**Trees and Graph**	Traversals Trees
26	17-Mar-25	Monday	2	**Trees and Graph**	Traversals Trees
27	18-Mar-25	Tuesday	2	**Trees and Graph**	Traversals Trees
28	19-Mar-25	Wednesday	2	**Trees and Graph**	Traversals Trees
29	20-Mar-25	Thursday	2	**Trees and Graph**	Binary Search Tree
	24-Mar-25	Monday			
	25-Mar-25	Tuesday		**MID - TERM EXAM SCHEDULE**	
	26-Mar-25	Wednesday			
	27-Mar-25	Thursday			
	28-Mar-25	Friday			
	29-Mar-25	Saturday			
30	1-Apr-25	Tuesday	2	**Trees and Graph**	Binary Search Tree
31	2-Apr-25	Wednesday	2	**Trees and Graph**	Type of Graph
32	3-Apr-25	Thursday	2	**Trees and Graph**	Type of Graph
33	7-Apr-25	Monday	2	**Trees and Graph**	Type of Graph
34	8-Apr-25	Tuesday	2	**Trees and Graph**	Spanning tree of Graph.
35	9-Apr-25	Wednesday	2	**Trees and Graph**	Spanning tree of Graph.
36	15-Apr-25	Tuesday	2	**Trees and Graph**	Spanning tree of Graph.
37	16-Apr-25	Wednesday	2	Elementary sorting techniques	Bubble Sort
38	17-Apr-25	Thursday	2	Elementary sorting techniques	Insertion Sort
39	21-Apr-25	Monday	2	Elementary sorting techniques	Merge Sort

40	22-Apr-25	Tuesday	2	Elementary sorting techniques	Quick Sort.
41	23-Apr-25	Wednesday	2	Elementary sorting techniques	Quick Sort.
42	24-Apr-25	Thursday	2	**Searching Techniques & Sorting Techniques**	Linear and Binary search
43	25-Apr-25	Friday	2	**Searching Techniques & Sorting Techniques**	Linear and Binary search
	26-Apr-25	Saturday	**CLASS TEACHING**		
44	28-Apr-25	Monday	2	**Searching Techniques & Sorting Techniques**	Linear and Binary search
	29-Apr-25	Tuesday	2	Revision	Revision
	30-Apr-25	Wednesday	3	Revision	Revision