

L J Institute of Engineering and Technology, Ahmedabad												
DAA-Theory Test (T1,T2,T3,T4) Syllabus and Marks Distribution Details_SEM-V_2024-2025												
Subject Code	Subject	Test	Syllabus			Marks Weightage				Total	Duration of Test (Min 1 hr and Max 1.5 hr)	
			Unit No	Unit Name	% of Syllabus	MCQ	Theory Descriptive (Mainly Algorithms)	Formulas and Derivation	Numerical			
17013591	DAA	T1	1	Basics of Algorithm & Analysis	10%	10	5	0	10	25	1.25	
			2	Sorting Techniques	10%							
			3	Solving Recurrence	8%							
		T1 Test Syllabus:				28%	T1 Test Marks: 25					
		T2	4	Divide and Conquer Method	10%	5	0	0	20	25	1.25	
			5	Fundamental Graph Algorithm	15%							
		T2 Test Syllabus:				25.0%	T2 Test Marks: 25					
		T3	6	Greedy Algorithm	15%	5	0	0	20	25	1.25	
			7	Dynamic Programming	12%							
		T3 Test Syllabus:				27%	T3 Test Marks: 25					
		T4	8	Backtracking and Branch & Bound	10%	10	0	0	15	25	1	
			9	String Matching Algorithm	7%							
			10	Problem Classes	3%							
		T4 Test Syllabus:				20.0%	T4 Test Marks: 25					
		Total T1 to T4 Tests :					100%	30	5	0	65	100