

16MA308		ALGORITHMS LAB		3/0/0/3	
Course Contents					
UNIT NO.	DESCRIPTION		TEXT BOOK	PAGES	LECTURE HOURS
1	Implement Binary search operations				3
2	Apply the divide and Conquer technique to arrange a set of numbers using quick sort method				4
3	Apply the divide and Conquer technique to arrange a set of numbers using merge sort method				4
4	Perform Strassen’s matrix multiplication using divide and conquer method				3
5	Solve the knapsack problem using greedy method				3
6	Construct a minimum spanning tree using greedy method				3
7	Find the solution for traveling salesperson problem using dynamic programming approach				4
8	Implement the 8-Queens Problem using backtracking				3
9	Find the solution of traveling salesperson problem using branch and bound technique				3
Total instructional hours:30					