

21CSC204J-DESIGN AND ANALYSIS OF ALGORITHMS

List of Lab Experiments

Lab 1a: Simple Algorithm-Insertion sort

Lab 1b: Bubble Sort

Lab 2: Linear search, Binary search

Lab 3: Merge sort,

Lab 4: Quick sort

Lab 5: Strassen Matrix multiplication

Lab 6: Finding Maximum and Minimum in an array, Convex Hull problem

Lab 7a: Huffman coding

Lab 7b: knapsack using greedy

Lab 8: Longest common subsequence

Lab 9: N queen's problem

Lab 10: Travelling salesman problem

Lab 11: Randomized quick sort

Lab 12: String matching algorithms