



Department of Computer Science and Engineering,
Anna University, Chennai- 600025
CS23302 – Data Structures and Algorithms (R 2023)
Practical
August – December 2024
Year/Sem/Batch : II/III/ N & Q

Exercise: 10

SORTING & SEARCHING

08 – Nov – 2024

Spot (5 Marks)

1. Show that the complexity of mergesort algorithm is $O(N\log N)$ by using recurrence relations
2. Given an array e.g. 17, 23, 10, 1, 7, 16, 9, 20, sort it on paper by using mergesort. Write down each step.