



Department of Computer Science and Engineering,
Anna University, Chennai- 600025
CS6104 – Data Structures and Algorithms (R 2018)
Practical
August – December 2023
Year/Sem/Batch : II/III/ P

Exercise: 03

Analysis of Algorithms

14 – Sep- 2023

Spot (5 Marks)

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