

Ahsanullah University of Science and Technology
Department of Computer Science and Engineering

Quiz - 01

CSE2103

Marks : 10

ID :

Time : 25 minutes

Date :

1. Calculate the number of data movement required to sort the following [3]
elements using Insertion sort technique.
39 86 "Last two digits of your Student ID" 18 64 12 30
2. Assume that array A of size n_1 is sorted in descending order and array B [4]
of size n_2 is sorted in ascending order. Write an efficient algorithm to sort
them into array C using Merge sort technique.
3. Design an algorithm to swap two nodes with maximum value and [3]
minimum value in a linked list.