



COMSATS University Islamabad Islamabad Campus

Department of Computer Science
Design and Analysis of Algorithm
Quiz 3

CLO-3: Design new algorithms for different computational problems

Time: 15 minutes

Registration: FA23-BA-055-5B

Class: BA

Total Marks: 10

Name: M. Abuzer Zia

Section: B

Question

Marks = 10

Suppose you are given an array X of m integers, design an efficient algorithm to find the sum of the total number of inversions in all sub-arrays of X of length l .

ANSWER IN THIS BOX

Algo (~~arr~~ int arr[],