



Assignment #2 – SPRING 2019

Course Title:	Design and Analysis of Algorithms				Course Code:	CSC301	Credit Hours:	3
Course Instructor:	Dr. Hasan Jamal				Programme Name:	BCS		
Semester:	5 th	Batch:	SP17	Section:	A and B	Date:	05/04/2019	
Deadline:	09/04/2019				Maximum Marks:		10	

Important Instructions / Guidelines:

- Handwritten strictly.
- Maximum three persons per group are allowed for submission.
- No late submission allowed

Question:

Solve the following recurrences using the “Recursion Tree Method”.

$$T(n) = T(n/4) + T(3n/4) + n$$