COMSATS University Islamabad, Lahore Campus

Quiz # 2 – SPRING 2021

Course Title:	Design and Analysis of Algorithms	Course Code:	CSC301	Credit Hours:	3(3,0)
Course Instructor:	Dr. Hasan Jamal	Date:	26/04/2021	Maximum Marks:	5

Important Instructions / Guidelines:
- Submit your solution on Google Classroom.
- Any form of cheating or copying will result in zero marks.
- One mark will be deducted per two minutes of late submission over the submission deadline.

Question: [Marks: 5]

Solve the following recurrence using the "Master Theorem Method"

$$T(n) = 6T(n/2) + n^3$$