BRAC UNIVERSITY

Department of Computer Science and Engineering

Semester: Spring 2023

Course: CSE 471 System Analysis and Design

Quiz 1

Section: 07

Total Marks: 15   **Time: 25 Minutes**
Name: **ID:**

<u>CO1</u> 1. **Calculate** the Break-Even Point and Return of investment using following information using present value of 3 years and an interest rate of 10%.   5

	Year 0	Year 1	Year 2	Year 3
Total benefits		35,000	45,000	50,000
Total costs	75,000	15,000	12,000	20,000

<u>CO1</u> 2. Identify functional and non-functional requirements for a Food Delivery application (at least four requirements from each type would be ideal).   5

CO1 3. A supermarket chain wants to launch their very own e-commerce platform. Now they have selected you to develop their e-commerce website. They have given you some basic requirements and have instructed you to start working with them. You have come up with some additional requirements and showed it to the client and finalized the requirements. The client wants to release their website before January of 2023 and they also stated that if it's performance is satisfactory then they will enhance it with additional requirements after one year of launch. Write down which System Development methodology should be appropriate to be used in this situation and defend your answer in brief.   5