**Quiz-1**

**Course:** [Theory of Automata (CS) NC](https://ucaelearning.org/course/view.php?id=254)  ***Time: 30 min***

**Student Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Student ID:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Given = Σ = {a, b}

Q#1: Find out a regular expression for a language of all strings of length 5 starting with a and end with b.

Q#2: Find out a regular expression for a language of all strings starting with aa and ending with bb.

Q#2: Find out a regular expression for a language of all strings of odd length starting with a.

Q#3: Find out a regular expression for a language of all strings of length 6.

***Bonus:*** Find out a regular expression for a language of all strings of odd length starting with a and ending with b.