

## Quiz 4B: Regular Expressions

CS 212 Nature of Computation

Habib University — Fall 2023

Total Marks: 10  
Duration: 10 minutes

Date: September 13, 2023  
Time: 830–840h

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

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

1. (10 points) Given  $\Sigma = \{0, 1\}$ , provide a regular expression for the language,  $\Sigma^* - \{0\}$ .

**Solution:**  $\epsilon \cup (1 \cup 00 \cup 01)(0 \cup 1)^*$