BRAC University
Dept. of Computer Science and Engineering
Fall 2024
CSE331-13
QUIZ - 1(A)

Time: 25 minutes   **Marks: 20**

Name: ID: Section:

1. Construct DFAs that recognize the following languages.
   a. L = { w ∈ {a,b}* : w starts with even number of a's}   4
   b. L = { w ∈ {0,1}* : the length of in w is two more than the multiple of 3}   6
2. Give regular expressions for the following languages.
   a. L = { w ∈ {0,1}* : w contains exactly one '01' as a substring}   4
   b. L = { w ∈ {a,b}* : w contains "abb" as a substring}   6