**BRAC University**

**Dept. of Computer Science and Engineering**

**Summer 2024**

**CSE331-07**

**QUIZ - 1(A)**

**Time: 25 minutes Marks: 20**

Name: ID: Section:

1. Construct DFAs that recognize the following languages.
   1. L = { w ∈ {0,1}\* : length of w is multiple of four} 6
   2. L = { w ∈ {a,b}\* : w contains at least three “a’s” } 6
   3. L = { w ∈ {0,1}\* : the count of 1’s that follow the 1st 0 is even} 4
   4. L = { w ∈ {a,b}\* : w starts with odd number of “a’s”} 4