**BRAC University**

**Dept. of Computer Science and Engineering**

**Summer 2024**

**CSE331-04**

**QUIZ - 1(A)**

**Time: 25 minutes Marks: 20**

Name: ID: Section:

1. Construct DFAs that recognize the following languages.
   1. L = { w ∈ {a,b}\* : w starts with “aba”} 6
   2. L = { w ∈ {a,b}\* : the count of “b” in w is one less than the multiple of 4} 6
   3. L = { w ∈ {0,1}\* : the decimal value of w is divisible by 4} 4
   4. L = { w ∈ {0,1}\* : every 0 is followed by odd number of 1’s} 4