**BRAC University**

**Dept. of Computer Science and Engineering**

**Summer 2024**

**CSE331-05**

**QUIZ - 1(B)**

**Time: 25 minutes Marks: 20**

Name: ID: Section:

1. Construct DFAs that recognize the following languages.
   1. L = { w ∈ {0,1}\* : w ends with “101”} 6
   2. L = { w ∈ {a,b}\* : the length of w is two more than the multiple of 5} 6
   3. L = { w ∈ {0,1}\* : the decimal value of w is divisible by 8} 4
   4. L = { w ∈ {a,b}\* : every “b” is followed by even number of “a’s”} 4