**BRAC University**

**Dept. of Computer Science and Engineering**

**Fall 2024**

**CSE331-12**

**QUIZ - 4**

**Time: 25 minutes Marks: 20**

Name: ID: Section:

1. Construct PDA for the following languages.**[7+6+7=20]**
   1. L = { w ∈ {0, 1}\*: w starts and ends with same symbol}
   2. L = { w ∈ {a, b, c}\*: w = bicjak, where j > 3i, i,k ≥0}
   3. L = { w ∈ {0,1}\*: the length of w is at least three.}