

**CS-302 Theory of Computation
Assignment 15**

Name: _____

1. Construct a pushdown automata accepting the following languages:

a) $L_1 = \{a^k b^k c^i \mid k, i \geq 0\}$

b) $L_2 = \{a^m b^{2m} \mid m \geq 0\}$
