SSN COLLEGE OF ENGINEERING, KALAVAKKAM

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Compiler Design Lab – CS6612

PROGRAMMING ASSIGNMENT-10– Implementation of code optimization techniques

(constant folding, strength reduction, algebraic identities and dead code elimination)

Date of Assignment: 07.03.17   **Due Date: 20.03.17 & 22.03.17**

Consider the 2 input test TAC sequences and apply the following techniques to optimize the code.

1. Constant folding
2. Algebraic identities
3. Strength reduction
4. Dead code elimination