

Lab # 4: Lab Manual for Lecture # 4

Lecture # 4: Calculate Arithmetic Expression

SECTION: I

Answer following questions.

- a. Arrange following arithmetic operations with their preference order of calculation
 - i. Addition
 - ii. Subtraction
 - iii. Multiplication
 - iv. Division
 - v. Power
- b. If two arithmetic operations have equal preference of calculation, then which one should be calculate first? Explain your answer briefly.

SECTION: II

What assembly language code for calculation of following expressions. Verify the calculated answer using either calculator or manual calculation.

- a. $8+4+5+1$
- b. $5+8+1-3-1$
- c. $10/2+8-4*8/2+100/5*2-1*50/10$
- d. $4-2-1+100/2*3^2+50-10*2/2$