

**Assignment 6 (280 points)**

**A. Questions**

1. Fill the blanks for the contents of the designated registers and flags after manual execution of each line of code.

Code	EAX	EBX	ECX	CF	SF	ZF	OF
mov EAX, 75h							
mov ECX, 1A2h							
sub EAX, ECX							
mov AX, 77ACh							
mov CX, 4B35h							
add AX, CX							
mov EAX, 75h							
mov ECX, 1A2h							
sub ECX, EAX							
mov EBX, 0							
mov BL, 4Bh							
add BL, 4							
mov BX, 0FF20h							
sub BX, 0FF20h							
mov EAX, 9							
add EAX, 1							
mov EBX, 100h							
sub EBX, 1							

2. Fill the blanks for the contents of the designated registers and flags after manual execution of each line of code.

Code	EAX	EBX	ECX	CF	SF	ZF	OF
mov ECX, 1A2h							
inc ECX							
mov EAX, 0F5h							
dec AL							
mov EBX, 1							
dec BX							
mov ECX, 7FFFFFFFh							
inc ECX							
mov EBX, 1A2h							
neg BX							
cmp AX, BX							
cmp BX, CX							
cmp AX, CX							

**B. Score Distribution and Scoring Rubrics - Total points - 280**

- #1. 48 blanks - max 3 points for each blank
- #2. 45 blanks - max 3 points for each blank

	#1 and #2
3 pts	<b>Correct</b> content <u>with</u> manual work displayed
2 pts	<b>Partially correct</b> content <u>with</u> manual work displayed
1 pt	<b>correct</b> content <u>without</u> manual work displayed
0 pt	None of the above

**C. Submission Instruction:** work on a paper or on word processing software or drawing application, and **upload** an electronic copy (file) of your work to the **Blackboard**, 416Assignment-6. Name your file as follows: **416Assign08\_LastName.xxx** (xxx for the file type of dcox, pdf, png, etc)

**D. Submission Due:** by 8:00pm Wednesday November 10, 2021

**E. Extension of Submission:** Usually granted upon request.