**Assembly Language (A&E)**

**Fall 2015**

**Assignment-1**

**Submission: Submit hard copies, 25th August, 2015 (in class)**

**Question 1: (Questions from exercise of chapter-1)**

1. Q-11
2. Q-12
3. Q-13
4. Q-14
5. Q-18
6. Q-19
7. Q-21

**Question 2:**

Suppose CS=2667 and IP=107E and DS=199F then what should be the offset of DS to access the same memory location as CS:IP?

**Question 3:**

Given that: **CS=0x5645,** **DS=0x1000**, **ES=0x6783,** **SS=0x0FFF**, **BX=0x4567,** **SI=0x1000**, **DI=0x2000**, **BP=0x4500**

Write the physical address of the memory locations read or written by the following instructions if ax=0.

1. mov ax,[si]
2. mov ax,[bp]
3. mov ax,cs:[bp+20]
4. mov ax,[bx+si+10]
5. mov ss:[bx+di],ax
6. mov es:[bp+si+0x200],20