			ISTAI	NBUL AYDIN	UNIVERSITY		
Name, Surname	:						
Number	:						
Course Code	:						
Course Name	:						
Exam	:	ି Quiz	<ul><li>Midterm</li></ul>			୦ F	inal
Date	:						
Please make sur		ite your name ar	nd student r	number on e	ach paper that y	you have used Total	
	Mark						

Note: Exam duration is 60 minutes only.

1- (**3p each)**Convert the following decimal numbers into single-precision floating-point numbers:

Decimal	Binary	Normalized	Sign	Biased Exponent(8bit)	Mantissa(24bit)
+1.5					
-10.625					
+100.25					
-1200					

2- (3p each)Find the memory address of the next instruction executed by the microprocessor, when operated in the real mode, for the following CS:IP combinations:  a. CS = 3456H and IP = ABCDH b. CS = 1A04H and IP = B00DH c. CS = 2323H and IP = 1A00H d. CS = 2089H and IP = 1000H e. CS = 1001H and IP = 2013H  3- (3p each)In the real mode, show the starting and ending addresses of each segment located by the following segment register values:  a. 10A0H b. 1234H c. 2340H d. E00BH e. AB00H	2 /2 h) Find the manner address 2 /2 h) in the medium	
	of the next instruction executed by the microprocessor, when operated in the real mode, for the following CS:IP combinations:  a. CS = 3456H and IP = ABCDH b. CS = 1A04H and IP = B00DH c. CS = 2323H and IP = 1A00H d. CS = 2089H and IP = 1000H  starting and ending addres segment located by the segment register values:  a. 10A0H b. 1234H c. 2340H d. E00BH e. AB00H	resses of each the following

- 4- (14p)If DS = 0103H in a protected mode system, the requested privilege level is \_\_\_\_\_\_.
- 5- (14)For a Core2 descriptor that contains a base address of 01000000H, a limit of 0FFFFH, and G = 0, what starting and ending locations are addressed by this descriptor?
- 6- (14)If the DS register contains 0020H in a protected mode system, which global descriptor tableentry is accessed?(just number)
- 7- (14p)If DS = 0105H in a protected mode system, which entry, table, and requested privilege level are selected?

8-(20p)In protected mode system, what starting and ending locations are addressed by this descriptor



