


National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Comp. Org & Assembly Lang Programming	Course Code:	EL213
	Program:		Semester:	Fall 2018
	Duration:	25 minutes	Total Marks:	10
	Paper Date:	20-Nov-2018	Weight	
	Section:	B	Page(s):	1
	Exam Type:	Quiz 2		

Student : Name: _____ Roll No. _____

Section: _____

Instruction/Notes: 1. Plagiarism will result in negative marks or an F grade.
 2. Discussion with other students is now allowed.

Question: Write a subroutine SwapColor which swaps background color with foreground color. When the first time the subroutine is called, it will swap the background color with foreground color. Blinking bit and intensity bit will not be swapped. When the subroutine is called the second time, it will again swap the colors due to which the colors will be restored. **You cannot use any buffer to store video memory's data.** Now write kbisr which swaps background colors with foreground color when left shift is pressed. When left shift is released it restores the colors. (Make use of swapColor subroutine in kbisr). **You have to make this a TSR.**