Government College University, Lahore
Operating System (CS-2205)
Semester: 6th Session: 2014-18

Quiz-1

Total Time: 30 Minutes
Total Marks: 25
25th May 2017
Name: _____ Roll No: _____

What is deadlock? What is starvation? How they differ from each other?

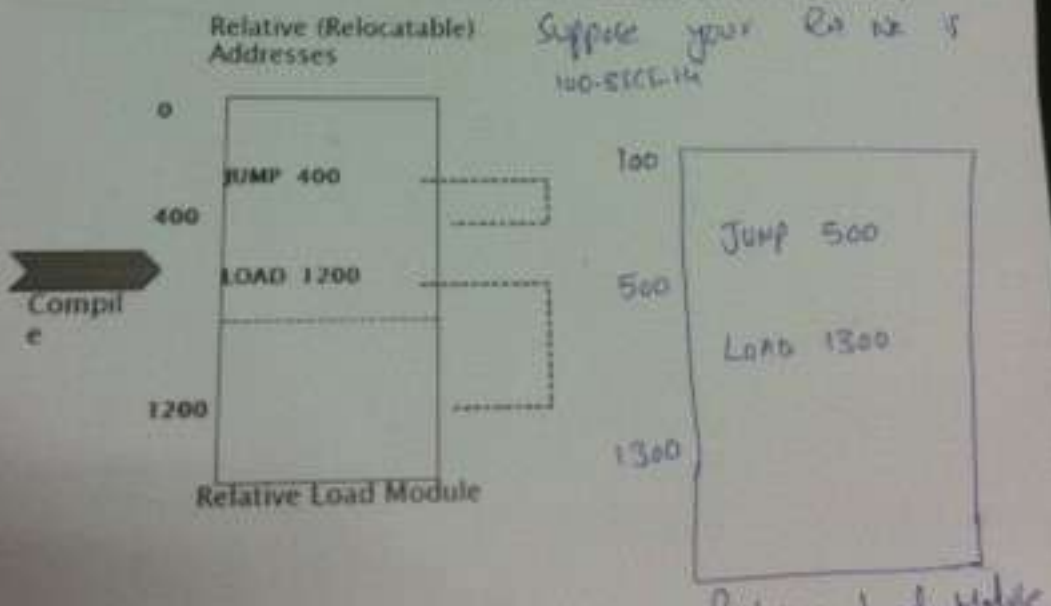
Q1. What is deadlock? What is starvation? How do they differ from each other? (5 marks)

Deadlock is a situation in which there is no progress in the system. All the processes are dependent on each other (Circular dependency) waiting for some event to occur.

Starvation is a situation in which a process never gets to execute or cpu (due to low priority or any other reason.

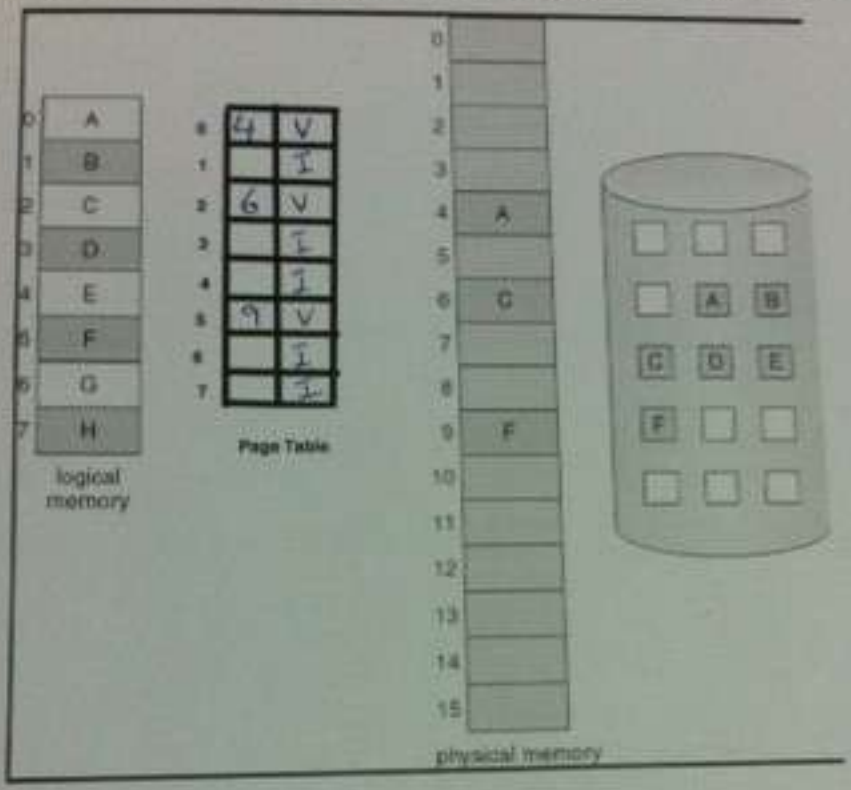
Suppose in Load-Time Address binding the program given below is loaded at an address equal to your roll no. Draw figure for absolute addresses.

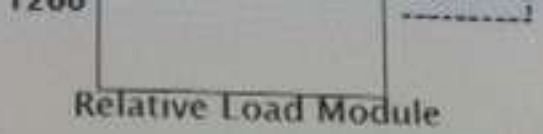
Q2. Suppose in Load-Time Address binding the program given below is loaded at an address equal to your ROLL NUMBER. Draw figure for absolute addresses. (10 marks)



Solution: Just add your Roll No. in all the

Question3: Complete the "page table" for the figure given below. First Column represents frame number and second represents valid/invalid bit. (10 marks)





Question2: Would using smaller page size eliminate fragmentation in Paging? Give your reasoning. (5 marks)

NO, Smaller page size can reduce fragmentation

but can never eliminate it.

Question3: Complete the "page table" for the figure given below. (10 marks)