

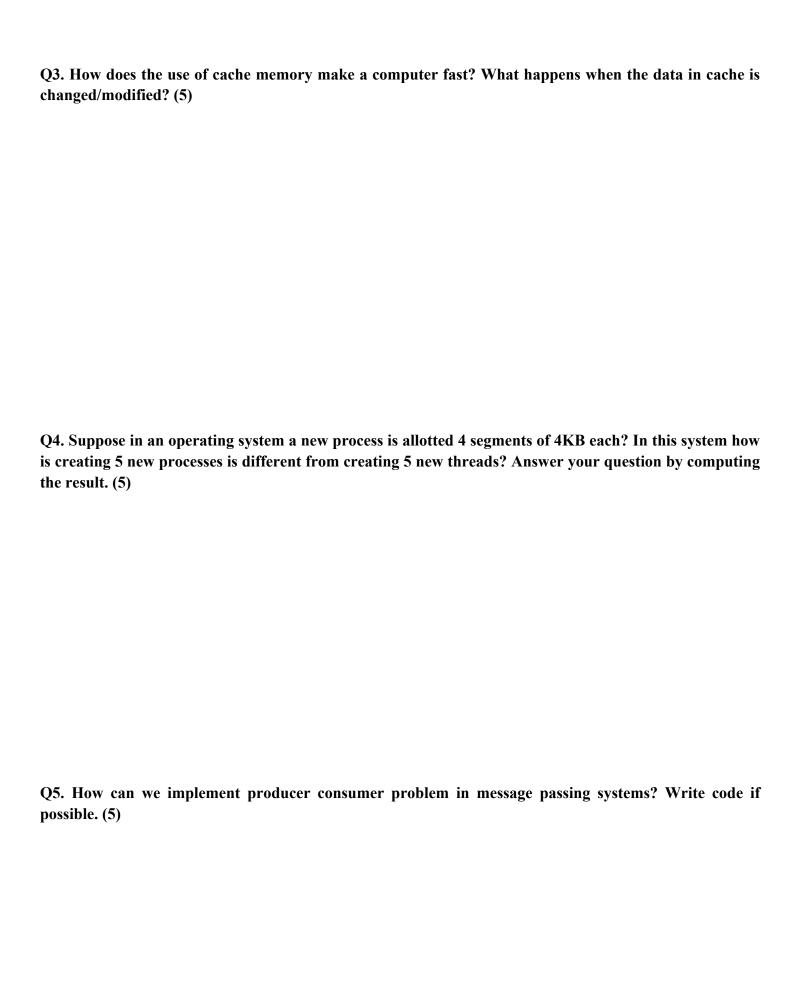
Government College University Lahore

Department of Computer Science

Roll #:	Section:	Name:
Course Title: Operating System	-	Semester: 6th
Course Code: CS -2205	_	Academic Year: 3
Instructors: <u>Dr. Awais Qasim & Dr</u>	. Ayesha Atta	Date: 29-05-2021
Exam: Final Term	-	Time Allowed: 180 Min

Q1. Suppose you are hired by Microsoft Corporation. You are part of a team developing a new state of the art Operating System? The team lead has suggested that they should remove the system call interface from this new OS. What are your thoughts on this? (5)

Q2. Why it was not possible to implement dual mode of operation at software level? (5)



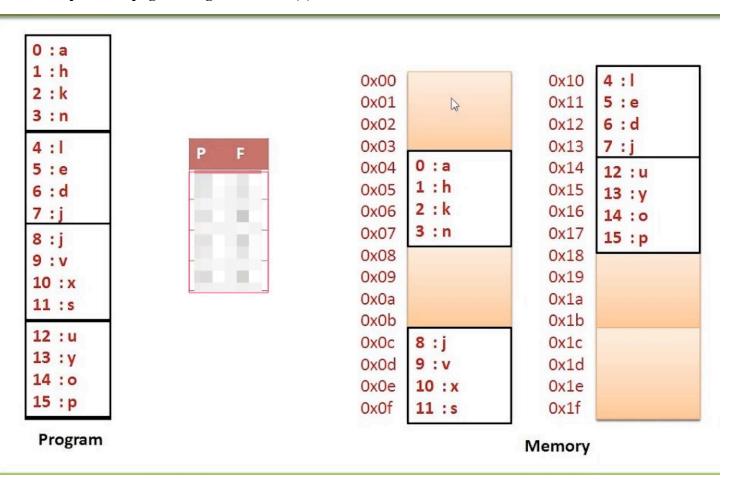
Q6. Using FCFS, preemptive SJF and non-preemptive SJF, Round Robin (Q=2) find out the individual and average wait time for each process. (10)

Process	Arrival Time	Burst Time
P1	4	5
P2	3	2
P3	2	2
P4	1	3
P5	5	2
P6	0	4
P7	7	5
P8	0	3
P9	6	5



Q9. How can we eliminate external and internal fragmentation? (5)

Q10. Complete the page table given below. (5)



Q11. If page size is 64KB and there is a program of size 6400KB. What will be the total size of page table in memory in KB? (5)