## CSE 321– Operating Systems Take Home Quiz 1 Spring Semester – 2024 Set A

Grade

Full Name (in Block Letter): _		RI	EJWAN	SHAFI	
ID:	23241108	_Section: _	07	Signature:	
<ol> <li>1.</li> <li>2.</li> </ol>	In a busy computer lab during midterm week at a university, many students need access to a limited number of computers for their assignments and exams. To ensure fair an efficient resource allocation, <b>which</b> concept of operating system can be employed to address the issue? <b>Explain</b> how this method can solve the problem and mention the benefits it offers. What specific problem(s) of the monolithic structure were addressed through the adoption of layered architecture, and how were they resolved?				
3.	Which of the following instructions should be privileged?  i. Set value of timer ii. Read the clock iii. Clear memory iv. Issue a trap instruction. v. Turn of interrupts vi. Modify entries in device-status table.				1
4.	Discuss drawback faced by	y Batch OS a	architec	eture and suggest possible way(s) to overcome it.	3
5.	<b>Discuss</b> the purpose of RT	OS.			2