	CSE 4501 : Operating Systems Islamic University of Technology (IUT) Department of CSE	Quiz
		:1+2
	Time: 45 Mins	
	Date: Monday, 07 June 2021	
	Total Marks: 30	
1.	Define precisely, the different types of multicore systems. Explain briefly, the advantages of multicore systems.	2+3
2.	Why do we need dual mode of operation? How does an OS differentiate between them?	2+3
3.	What do you understand by privileged instructions? What will happen if a user tries to execute a privileged instruction?	2+3
4.	What is the difference between a process and a program? Briefly explain the states of a process lifecycle with suitable diagram.	2+3
5.	In how many ways can you implement queues for storing messages exchanged by communicating processes? Explain briefly.	5
6.	In how many ways can different communicating processes by synchronized? Explain briefly.	5