

		Parul University Faculty of Engineering and Technology Parul Institute of Engineering and Technology CSE- Cyber Security Department		
Subject Name	Operating System and Platform Security		A. Y	2025-26
Subject Code	3012602PC01		Semester	2 nd
Assignment-3				
Sr No	Question	COs	B.T	Competence
1	What is Inter-Process Communication (IPC)? Name any two IPC methods.	1	1	Remember
2	Define critical section. What is meant by a race condition?	2	2	Understand
3	State the purpose of semaphores in process synchronization.	3	3	Apply
4	What is a deadlock? List the four necessary conditions for deadlock to occur.	3	3	Understand
5	What is Denial of Service (DoS) in the context of resource management?	4	4	Understand
6	Define file system. List any two file access methods.	4	4	Understand
7	What is disk scheduling? Name any two disk scheduling algorithms.	3	3	Understand
8	What is meant by file system security? Mention any two security mechanisms used to protect files	5	5	Understand