



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