



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 platform security? Why is it important in operating systems?	1	1	Remember
2	Explain Secure Boot in simple words.	2	2	Understand
3	What is authentication? How is it different from access control?	3	3	Apply
4	Define Trusted Platform Module (TPM). Mention any one function of TPM.	3	3	Understand
5	What is virtualization security? Why is it needed in cloud environments?	4	4	Understand
6	What are Hardware Security Modules (HSMs)? Write one use of HSMs.	4	4	Understand
7	Mention two security challenges in cloud or mobile platforms.	3	3	Understand
8	Write a short note on OS-level attacks and platform-level mitigation (any one example).	5	5	Understand