Chandigarh Engineering College-CGC Landran
Department of Electronics and Communication Engineering

Assignment No. 1

Subject and Subject code: Operating System (BTCS-402-18)
Semester 6th
Date on which assignment given: 8-02-2023
Date of submission of assignment 15-02-2023

Course Outcomes

CO1:	Explain basic operating system concepts such as overall architecture, system calls, user mode and kernel mode.
CO2:	Distinguish concepts related to processes, threads, process scheduling, race conditions and critical sections.
CO3:	Analyze and apply CPU scheduling algorithms, deadlock detection and prevention algorithms.
CO4:	Examine and categorize various memory management techniques like caching, paging, segmentation, virtual memory, and thrashing.
CO5:	Design and implement file management system.
CO6:	Appraise high-level operating systems concepts such as file systems, disk-scheduling algorithms and various file systems.

Bloom's Taxonomy Levels

L1- Remembering,   L2- Understanding,   L3- Applying,   L4-Analyzing,   L5- Evaluating,   L6- Creating

Assignment related to COs	Marks Distribution	Relevance to CO No.	Blooms Level
Q1. Compare Kernel with Shell.	3	CO-1	L5
Q2. Compare Window and Unix operating System.	3	CO-1	L4
Q3. Explain system call.	2	CO-2	L2
Q4. Draw state transition diagram of a process.	2	CO-2	L3