

LOVELY

PROFESSIONAL

UNIVERSITY

Academic Task No. 1

School of Computer Science and Engineering

Faculty of Technology And Sciences

Name of the faculty member: Navjot Kaur

Course Code: CSE316

Course Title: Operating Systems

Max. Marks:30

Date of Submission: 18/02/2022

Dear All

CA1 of CSE316: Operating Systems will be on 18 Feb 2022. Syllabus of the same is as follows:

Unit I

Introduction to Operating System : Operating System Operations and Functions, Multiprogramming and Multiprocessing System

Operating System Structure : System Calls

Process Management : Process states, Process scheduling, Operations on processes, Process concept, Life cycle, Process control box

Introduction to OS concepts : Evolution of OS, Operating system (OS) modes, services and functions, OS structure - kernel and its types, shell

Unit II

CPU Scheduling : CPU scheduler and dispatcher, Scheduling criteria, CPU scheduler - preemptive and non preemptive, Scheduling algorithms - process management in UNIX, First come first serve, Shortest job first, Round robin, Priority, Multi level feedback queue, multiprocessor scheduling, real time scheduling