System Administration and Maintenance (BACS10A) LOCF 2022

|  |  |
| --- | --- |
| Basics of operating system, services, features and functions of different operating systems, Kernel, IPv4, IPv6  API, CLI, GUI, devices and device drivers, | January |
| Introduction to Linux/Unix based operating systems,  introduction to Windows based operating systems,  difference between Linux/Unix and other operating systems,  introduction to server based operating systems,  difference between desktop based (Windows 10) and server based operating systems like Windows server 2003/2008. | January and February and test |
| Configuring desktop environment and desktop settings,  installing and configuring software and hardware,  exploring file structure, terminal, shell,  basic Unix Commands like cat, ls, cd, date, cal, man, echo, pwd, mkdir, rm, rmdirps, kill etc. | February and march and assignment |
| Configuring desktop environment and desktop settings,  installing and configuring software and hardware,  explore system configuration using control panel,  creating users, add/ delete users,  difference between workgroup and domain,  concept of user profiles – creating and roaming,  concept of Active Directory, process and disk management,  Windows task manager, exploring file structure and file properties, | March |
| Examine network settings using commands like ipconfig/ifconfig, hostname, net, netstat, whoami etc.,  troubleshoot network connectivity issues using commands like: ipconfig, ping, tracert, route etc.,  sharing resources (files, printers etc.) on the network, | April |