**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester**

**Session (2018-19)**

**Class: B.A/B.Sc.(IT)6TH SEM Name of the Teacher :MANISHA**

**Subject: Linux Administration Period: 7th**

**Paper : B Room No : 106**

|  |  |  |
| --- | --- | --- |
| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 14 /01/2019 – 19/01/2019 | 1. Introduction to Operating Systems, its need and services, Batch Systems, Time sharing systems, parallel systems, Distributed systems and real time systems |
| Week 2 | 21/01/2019 –  25/01/2019 | 2. What is Linux ,Linux ’history, Minimum System Requirements; Working with Linux ,Floppy-less installation , Boot and Root Disks, Choosing Text or Graphics installation |
| Week 3 | 28/01/2019 –  2/02/2019 | Setting up your Hard Drive, Formatting the Partitions ,Setting up the Ethernet, Configuration X, Selecting packages to install |
| Week 4 | 4/02/2019 –  9/02/2019 | Using LILO :Partitioning the Hard Disks Linux Swap Space partitions ,Linux’ fdisk |
| Week 5 | 11/02/2019 –  16/02/2019 | Enabling the Swap Space for Installation, Creating the Linux file System partition Using LILO |
| Week 6 | 18/02/2019 –  23/02/2019 | 3. Using Linux: starting and stopping your Linux, Linux shutdown commands, creating a new login, logout. |
| Week 7 | 25/02/2019 –  02/03/2019 | 4.Basic Linux commands, input and output Redirection, The Linux man commands, Process termination commands Kill command, su command, the grep command |
| Mid Semester Exam | | |  | Using Linux: starting and stopping your Linux, Linux shutdown commands, creating a new login, logout. |
| Week 8 | 11/03/2019 –  16/03/2019 | 5.Using the file system: common types of files, parent directory and sub directory, the root directory ,How directories are named, Navigating the Linux file system Linux file system:/,home,/bin,/usr/bin usr/spool,/dev,/usr/bin,/sbin etc. |
| Week 9 | 18 /03/2019 –  22/03/2019 | 6. File and directory permissions: file and directory ownership, umask setting, changing directory permissions, What is shell, Pipeline, job control, customizing bash, bash commands, bash variables. |
| Week 10 | 25/03/2019 –  30/03/2019 | 7.Linux –tcsh introductions to tcsh,command completion, login ,logout,rederecting,piping,job control,tcsh variables, command summary |
| Week 11 | 1/04/2019 –  6/04/2019 | 8. Shell Programming: creating and running shell programs, using variables and Assigning a value to a variable. The tcsh Equivalent test command until statement, select command, repeat statement. |
| Week 12 | 8/04/2019 –  12/04/2019 | 9.Editing and Typesetting :text editors vi,starting vi ,vi modes, deleting text, copying and moving text, searching and replacing text, Setting preferences |
| Week 13 | 15/04/2019 –  20/04/2019 | 10.Linux for System Administrators: The root Account, Starting and Stopping the System, Mounting File Systems Mounting a floppy, creating a new file system,Un-mounting file systems |
| Week 14 | 22/04/2019 –  27/04/2019 | Compressing files with gzip ,using tar and Backup, Setting up your system :Setting the system name, Setting the login Message |
| Week 15 | 29 /04/2019 –  3/05/2019 | 11. Networking &Network Services: TCP/IP? Setting up Dummy interface, Testing and Troubleshooting, The netstat command, ping command,Mail,News,NFS,NIS,WWW,FTP,DNS. |