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

**Teaching Plan Session Even Semester**

**(2017-18)**

**Class: B.A/B.Sc. (IT)3rd yr Name of the Teacher: MANISHA**

**Subject: Linux Administration Period: 7TH**

**Paper: B Room No: 103**

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| **S. No** | **Date From** | **Date Up to** | | **Topics to be covered** |
| Week 1 | Jan 08, 2018 | Jan 13, 2018 | | UNIT – I  1. Introduction to Operating Systems, its need and services, Simple Batch systems, real time systems. |
| Week 2 | Jan 15, 2018 | Jan 20, 2018 | | 2. Introduction to Linux: What is Linux, Linux's History, Minimum System Requirements; Installing Linux Working with Linux |
| Week 3 | Jan 22, 2018 | Jan 27, 2018 | | 3. Using Linux: Starting and Stopping your Linux System, The who Command, Commands and Programs. |
| Week 4 | Jan 29, 2018 | Feb 3, 2018 | | UNIT - II  4. Basic Linux Commands: How Linux Commands Work, Command Options,  keywords in Man pages, The bash shell help facility; Wildcards : \* and ? |
| Week 5 | Feb 5, 2018 | Feb 10, 2018 | | Environment Variables Processes and How to Terminate them, The process status Command : ps, The process termination command : kill, Becoming someone else, the su command, the grep command. |
| Week 6 | Feb 12, 2018 | Feb 17, 2018 | | 5. Using the File System: Overview of files, Common types of files, filenames,Directories an Overview, Parent directories and sub-directories, The root directory, |
| Week 7 | Feb 19, 2018 | Feb 24, 2018 | | How directories are named, The home directory; Navigating the Linux file System :pwd command, Absolute and relative filenames; cd command, |
| Week 8 | Feb 26, 2018 | Mar 03 , 2018 | | Copying files, Compression: The Zipless file, Important directories in the Linux file System : / home, /bin, /usr, /usr/bin, /usr/spool, /dev, /usr/bin, /sbin, /etc. |
| **2nd week March (Mid Semester Exam)** | | | | |
| Week 9 | March15,  2018 | | March 17,  2018 | 6. File and Directory Permissions: File and Directory ownership, User and ownership,Groups, Changing group ownership, File Permissions, UMASK  Wildcards, Command History |
| Week 10 | March 19 , 2018 | | March 24,  2018 | Aliases, Input Redirection,  Output Redirection, Pipelines Shell, Prompts, Job control, Customizing bash |
| Week 11 | March 26, 2018 | | March 31,  2018 | UNIT - III  7. Linux - tcsh: An Introduction to tcsh, Monitoring Logins and Logouts, Customizing tcsh, tcsh Command Summary, tcsh variables. |
| Week 12 | April 02,  2018 | | April 07,  2018 | 8. Shell Programming: Creating and Running Shell Programs, Using variables :Assigning a value to a variable, Accessing the value of a variable, PositionalParameters and other Built-In Shell Variables. |
| Week 13 | April 09,  2018 | | April 14 ,  2018 | The Importance of Quotation Marks :  The test Command, The tcsh Equivalent of the test command, Conditional |
| Week 14 | April 16, 2018 | | April 21, 2018 | 9. Editing and Typesetting: Text Editors vi, The vi Editor, Starting vi, vi modes, Inserting Text, Quitting vi |
| Week 15 | April 23, 2018 | | April 28, 2018 | UNIT - IV  10. Linux for System Administrators: System Administration Basics, The root Account, Starting and Stopping the System, Booting from a Floppy, Using LILO to Boot, Shutting Down Linux; Mounting File Systems |
| Week 16 | April 30, 2018 | | May 05, 2018 | 11. Networking & Network Services : What is TCP/IP ? Hardware Requirements,Configuring Linux Files, Setting up the Dummy Interface, The netstat Command, ping, Mail, News, NFS, NIS www, FTP, DNS. |