

**MASTER OF BUSINESS ADMINISTRATION
NETWORK INFRASTRUCTURE MANAGEMENT
(MBANIM)**

Term-End Examination

December, 2013

**MCRI-016 : DESIGN OF IT INFRASTRUCTURE
FOR LINUX SERVICES**

Time : 3 hours

Maximum Marks : 100

Note : Answer *any five* questions. Each question carries equal marks.

-
- | | | | |
|----|-------|---|----|
| 1. | (a) | Write merits and limitations of LINUX OS over sun-solaris, unix and ubuntu. | 10 |
| | (b) | Write and explain in detail on LINUX file System with essential File System Commands. | 10 |
| 2. | (a) | Write and explain on users and groups administration with appropriate commands, their syntaxes with atleast one example each. | 10 |
| | (b) | Explain File and Directory permission of LINUX OS with commands and examples. | 10 |
| 3. | (a) | Write and explain the format of the Password file of a LINUX operating system with an example. | 10 |
| | (b) | Explain the following commands with their syntaxes and one example each. | 10 |
| | (i) | uid | |
| | (ii) | gid | |
| | (iii) | suid | |
| | (iv) | sgid | |
| | (v) | chown | |

4. Write a step-wise procedure to configure the following Network Services in LINUX. **20**
- (a) DNS
 - (b) DHCP
 - (c) FTP
 - (d) APACHE
- Write appropriate commands that one used during configuration process. Take assumptions, wherever needed.
5. (a) What do you understand about IP Chains and IP Tables used in LINUX Kernel ? **5**
- (b) Write a step-wise procedure to setup an IP Chain in LINUX Firewall. Take assumption, wherever needed and explain with an example. **15**
6. (a) Explain in detail the F DISK utility of LINUX system along with different flags used for various operation with one example each. **10**
- (b) Explain FIND utility/command of LINUX along with different flages used for various tasks with one example each. **10**
7. Explain the following in brief : **20**
- (a) VIM Editor
 - (b) Various shutdown methods and commands of LINUX systems
 - (c) CRONTAB utility of LINUX
 - (d) Threat level system calls in LINUX
 - (e) C DAP Server
-