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

Term-End Examination

June, 2012

MCRI-004 : INTRODUCTION TO NETWORKING

Time : 3 hours

Maximum Marks : 100

Note : Answer any five questions. All questions carry equal marks.

1. (a) What is layered Architecture in computer Networks ? Describe the reasons for connecting networks with routers and how routed networks transmit data through network using TCP/IP. 10
- (b) Describe how network function, identifying major components, function of network components, and the OSI reference model. 10
2. (a) What are the characteristics of the internet protocol ? Describe the components and structure of an IPv4 address. Also describe the classes of IPv4 address. 10
- (b) What are the differences between wired LAN and wireless LAN. Describe the characteristics of WLAN. Describe Radio Frequency Transmission. 10

3. (a) What is frame relay ? Which layer it works? 10
What is a subnet. Give an example of making subnet for large networks.
- (b) Explain the differences between the 10
following :
- (i) Gateway and Routers
 - (ii) bit rate and band rate
 - (iii) Internet and Intranet
 - (iv) ARP and RARP
4. (a) Explain the file structure used by Linux. 10
Explain some of the basic Linux Commands used for general settings.
- (b) Why samba is used ? How would you 10
configure a Linux machine to be able to provide services for samba.
5. (a) What is SSL ? What is the procedure of 10
ensuring security for safe file transfer using FTP protocol ?
- (b) Explain the following terms in relation to 10
Firewall :
- (i) Packet Forwarding
 - (ii) Packet Filtering
 - (iii) Network Address Translation
 - (iv) IP Masquerading
6. (a) Explain the services provided by Windows 10
2003 server. Explain the procedure of providing the services to the specific clients.
- (b) Explain how security is achieved in 10
Windows 2003 server ?

7. (a) What is Active Directory ? Explain its advantages and services in Windows 2003 server. **10**
- (b) What are group policies ? Explain how these group policies are decided ? **10**
8. Describe the following with illustration examples or diagrams. **4x5=20**
- (a) WiMAX
- (b) Fixed or Static Routing
- (c) Routing Algorithm Martrix
- (d) Flooding
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