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

Term-End Examination

December, 2012

MCRI-004 : INTRODUCTION TO NETWORKING

Time : 3 hours

Maximum Marks : 100

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

1. (a) Explain the concepts of IP subnet addressing and subnet masking with the help of an example for each. 10
- (b) Why is Circuit Switching preferred over packet switching in voce communication ? Also, state the motivation for using packet switching in data network. 10
2. (a) Explain the link state routing mechanism using a suitable example. 15
- (b) What is the significance of the twisting in twisted pair cable ? 5
3. Write the relative advantages and disadvantages of any three network operating systems currently being used. 20

4. (a) How does Linux manage the Domains ? **10**
How can you create the Domains and change its attributes ?
- (b) What are the contents of password files in Linux and where are they located ? Also, explain the significance of shadow passwords. **10**
5. (a) What are the various configuration method of Linux Kernel ? Explain. **15**
- (b) What is the main advantage of creating links to a file instead of copying of the file ? **5**
6. What is meant by Active Directory ? Explain the various types of classes exist in Windows Server 2003 Active Directory. **20**
7. (a) What are the main advantages of virtualization ? Differentiate between Hyper-V and Virtual Server. **10**
- (b) Explain the role of SSH and SSL in ensuring security. How do you create SSL certificates ? **10**
8. Describe the following with illustration, example or diagram as needed : **4x5=20**
- (a) WiMAX
- (b) Forests in Windows Server 2003
- (c) Linux E-mail System
- (d) Firewall