

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

Term-End Examination

December, 2011

**MCRI-015 : DESIGN OF IT INFRASTRUCTURE
FOR WINDOW SERVER**

Time : 3 hours

Maximum Marks : 100

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

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| 1. | (a) | Explain Subnet masking and Supernetting using an example for each. | 10 |
| | (b) | Describe the process of installing a DHCP server in an AD (Active Directory) infrastructure. | 10 |
| 2. | (a) | Explain the benefits and scenarios of using stub zones with the help of an example. | 10 |
| | (b) | Explain the differences between WINS push and pull replications. | 10 |
| 3. | (a) | Explain the functioning of the routing table on a host and on a router. | 10 |
| | (b) | Describe the "RAS and IAS " group in Active Directory. | 10 |
| 4. | (a) | What is NAT? Explain its significance. Also, write the differences between NAT and PAT. | 15 |
| | (b) | What is ARP cache poisoning ? | 5 |

5. (a) Explain the different user classes and vendor classes in DHCP. 10
- (b) What is DNS server ? Explain using an example. 10
6. (a) Explain the process of working with an external domain name. 10
- (b) Explain the conditions and profile in RRAS policies. 10
7. (a) Explain the major network infrastructure requirements for installing exchange 2003. 10
- (b) Explain the role of Primary Domain controller and Backup Domain controller in Server 2003. 10
8. Describe the following using illustration, examples or diagrams as needed : 5x4=20
- (a) Remote Access Infrastructure
- (b) IP addressing scheme
- (c) TCP/IP
- (d) Network Topologies.
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