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Roll No

MCSE/MSE - 105

M.E./M.Tech. I Semester

Examination, June 2016

Advance Computer Networking

Time : Three Hours

Maximum Marks : 70

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

1. a) What is the basic of layered architecture? Explain ISO-OSI model of Computer Network. 7
b) Describe the various issues related to measuring network performances. 7
2. a) Write down the service primitives for implementing a computer network. 7
b) What is a Virtual Private Network (VPN)? Explain : VPN tunneling. 7
3. a) Explain with the help of block diagram the ATM Architecture. 7
b) "TCP is a connection-oriented, reliable protocol". Justify the statement. 7
4. a) What are the various ports used for FTP? What commands are used for FTP? Give some example. 7
b) BGP is also distance vector protocol. How is it different from RIP? 7

5. a) What does a router do with the time to live value in an IP header? 7
b) Explain the principle of EIGRP Protocol. 7
6. a) Explain the function of SMI and MIB in SNMP. 7
b) Explain about wireless LAN. Also discuss the standards and protocol followed by them. 7
7. a) Give the network architecture and management of GSM system. 7
b) Give the packet format and configuration of DHCP. How it is used? 7
8. Write short notes on the following (any four) : 14
a) MIME
b) PIM
c) Hiper LAN
d) RLOGIN
e) MBONE
