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Roll No

MCSE/MSE - 105
M.E./M.Tech. I Semester
Examination, December 2015
Advanced Computer Networking

*Time : Three Hours**Maximum Marks : 70*

Note : Attempt any five questions. All questions carry equal marks.
Draw neat diagrams wherever required.

1. a) What do you mean by MAN?
b) Describe the ISO-OSI Model with its different layers and their functions.
2. a) What is Peer-to-peer Networking?
b) Explain the communications media and principles IEEE standards.
3. a) Define SNMP.
b) Explain the Architecture of TCP/IP.
4. a) What is the basic function of FTP?
b) Describe the following applications.
i) TELNET ii) SMTP
iii) MIME iv) HTTP

5. a) What is the use of Router?
b) Differentiate the IPv6 and IPv4.
6. a) Define OSPF and BGP.
b) Explain the following Multicast Routing Protocols.
i) DVMRP
ii) CBT
iii) EIGRP
iv) Multicast Trees
7. a) What do you understand by VPN?
b) Explain the VPN addressing and routing.
8. a) Define ATM.
b) Describe the ATM services and Architecture.
