

Roll No .. **RGPVONLINE.COM**

MCSE/MSE - 105
M.E./M.Tech., I Semester
Examination, June 2014
Advanced Computer Networking
Time : Three Hours

Maximum Marks : 70

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

1. a) Explain the working of ISO-OSI model. Explain the function of different layers in the model.
b) Discuss briefly about LAN, MAN and WAN.
2. a) Discuss the basic concept and architecture of TCP/IP protocols.
b) Explain briefly about TELNET and POP3.
3. a) How is interior and exterior routing done?
b) Explain the principle of EIGRP protocol.
4. a) Explain about the unicast, multicast and broadcast routing. What is multicast tree?
b) Give a comparative study of IPv6 and IPv4 protocol.
5. a) Give a brief overview of VPN host management.
b) Explain with the help of block diagram the ATM architecture.

6. a) Explain briefly about the VPN addressing and routing methods.
b) What are the services provided by adopting ATM concept?
7. a) Explain about the wireless LAN. Also discuss the standards and protocols followed by them.
b) Give the network architecture and management of GSM system.
8. Write short notes on any two of the following:
 - i) RLOGN and FTP
 - ii) MOSPF and CBT
 - iii) CDMA

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