Total No. of Questions :8]   [Total No. of Printed Pages :2

Roll No ....

MCTA-202
M.E./M.Tech., II Semester
Examination, December 2016
Advance Computer Network

Time : Three Hours

Maximum Marks : 70

Note : i) Attempt any five questions out of eight.

ii) All questions carries equal marks.

1. a) How many subnets and hosts per subnet can you get from the network 172.168.21.0 255.255.255.224?

   b) Explain Ethernet 802 encapsulation?

2. a) Describe the structure of ARP packet briefly with diagram.

   b) Write WAN connecting five routes. Assign appropriate IP address to each routes port. Show router configuration command for setting up RIP or OSPF protocol.

3. a) Write LAN in which show interconnections of 5 host 2 hub and one switch. Assign appropriate IP address to required devices.

   b) Explain ATM cell header format.

4. a) Explain the operations of routing for mobile hosts.

   b) Describe the header format for SUNRPC request and reply operations.

428

[2]

5. a) Explain the additive increase/multiplicative decrease for TCP congestion control.

   b) What are the types of name servers and explain the name server architecture?

6. a) Explain SNMP PDU format and messages.

   b) Discuss the stateless and state full server and explain the NFS architecture.

7. a) Discuss the features of Java scripts.

   b) What is DHCP? Explain voice and video over IP.

8. Write short notes on the following :

   a) COM and DCOM

   b) Socket programming

   c) ICMP and IGMP

   d) NAT and VPN

******

429