Roll No ....

CS-8004 (3) (CBGS)

B.E. VIII Semester

Examination, May 2019

Choice Based Grading System (CBGS)

Advance Computer Networks

Time : Three Hours

Maximum Marks : 70

Note: i)   Attempt any five questions.

     ii)   All questions carry equal marks.

1. a) Explain the different layer and function of ISO-OSI model with the help of diagram.   7

   b) What are the needs of packet switching? Explain working of packet switching and also methods for packet switching. 7

2. a) Explain why token bus is suited for real time application in compenson to CSMA/CD with help of suitable example.   7

   b) Explain how message exchange takes place between machine A and B using TCP connection.   7

3. a) How flow control and error control issues are handled in TCP protocol?   7

   b) Draw the IP header neatly and explain the function of each field. List major differences between IPv4 and IPv6.   7

4. a) Write short notes on: 7

     i)   VOIP

     ii) SNMP

     iii) SMTP

   b) Compare distance vector routing verses path vector routing.   7

5. a) Explain open shortest path first protocol with the help of an example.   7

   b) What is VPN? And why it is needed?   7

6. a) Explain Network Management Architecture?   7

   b) Explain the ATM reference model and explain what are the various services provided by it.   7

7. a) Give the network architecture and management of GSM system.   7

   b) Write a short note on Hiper LAN?   7

8. Write short note: (any four)   14

   a) CDMA

   b) WAP

   c) EIHRP

   d) IMAP

   e) DHCP

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