

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. http://www.rgpvonline.com 7  
b) Write a short note on Hiper LAN? 7
8. Write short note: (any four) 14
  - a) CDMA
  - b) WAP
  - c) EIRP
  - d) IMAP
  - e) DHCP

\*\*\*\*\*