

No. of Printed Pages : 03

Roll No.

601

B. Tech. EXAMINATION, May 2017

(Sixth Semester)

(Old Scheme) (Re-appear Only)

(CSE, ECE)

CSE-302

COMPUTER NETWORKS

Time : 3 Hours

[Maximum Marks : 100

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt any *Five* questions. All questions carry equal marks.

(3-25/5) M-601

P.T.O.

1. (a) What do you mean by protocol, service and functions ? Discuss them related OSI reference model. **10**
- (b) What is Topology ? Discuss various topologies with their structure, advantages and disadvantages. **10**
2. (a) What is Internet Protocol ? Discuss IP datagram and IP addressing. **10**
- (b) What is Internet Control Protocol ? Why this is word ? Also relate ICP to ARP, RARP and ICMP. **10**
3. (a) What are assumptions and requirements of channel allocation ? Also compare CSMA and CSMA/CD. **10**
- (b) Describe about various devices used for interconnecting. **10**
4. (a) Explain about DQDB in detail. **10**
- (b) Describe about frame relay with its frame format. **10**

5. (a) What do you mean by security and management ? Discuss the security management with the help of example. **10**
- (b) What is role of firewall and proxy server ? Discuss them also. **10**
6. (a) Explain about window NT as network operating system. **10**
- (b) Discuss various congestion control strategies. **10**
7. (a) What is LAN, its features, usage and components ? **10**
- (b) Discuss about token ring in details. **10**
8. Write short notes on any *four* of the following : **4×5=20**
- (a) Type of networks
- (b) TCP and UDP
- (c) Wireless link
- (d) Remote monitoring
- (e) Wireless link
- (f) Private network.