

2217

B.E. 5th Semester (I.T.) Examination,

December-2012

COMPUTER NETWORK

Paper-IT-305-E

Time allowed : 3 hours] [Maximum marks : 100

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

1. Explain the ISO-OSI model in detail with proper diagram. 20
2. (a) What do you mean by Transmission Control Protocol Header ? Explain. 10
(b) What do you mean by Domain Name System ? Explain. 10
3. (a) What do you mean by CSMA with Collision Detection ? Explain. 10
(b) Explain in detail the IEEE 802.5 standard. 10
4. What do you mean by Synchronous Digital Hierarchy/ Synchronous optical Network. Explain. 20
5. (a) What do you mean by VLAN ? Explain. 10

2217-P-2-Q-8 (12)-

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- (b) What do you mean by Security Management.
Explain. 10
6. (a) Explain in detail the E-mail System. 10
- (b) What do you mean by Quality of Service ?
Explain. 10
7. Write short note on :
- (i) IP addressing
 - (ii) LAN interconnecting Devices
 - (iii) Frame Relay. 20
8. Explain the following :
- (i) Proxy Server
 - (ii) Performance Management
 - (iii) HTTP, FTP, IMAP, NNTP, DNS. 20