

Roll No.

24328

**B. Tech 6th Semester (CSE)
Examination – May, 2018**

COMPUTER NETWORK

Paper : IT-305-F

Time : Three Hours]

[Maximum Marks : 100

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

Note : The Students have to attempt Question No. 1 is *compulsory* and *one* questions from each of *four* Section.

1. Explain the following : 20
- (i) ARPANET
 - (ii) IMAP
 - (iii) Gigabit Ethernet
 - (iv) Frame Relay

SECTION - I

2. What do you understand by Layering architecture of Networks. Draw and explain the five layering architecture. 20
3. (i) Give a brief description about Private Networks. 10
(ii) Define Network. Explain in detail about types of Networks. 10

SECTION - II

4. Give a complete description about TCP/IP reference Model. 20
5. (i) Explain in detail about E-mail System. 10
(ii) Give a brief description about IP addressing. 10

SECTION - III

6. (i) Define LAN explain in brief about LAN standards. 10
(ii) What do you understand by channel Access Methods? Explain. 10

7. Describe the following :

- (i) Congestion Control 10
- (ii) WAN Technologies 10

SECTION – IV

8. Explain the following : 20

- (i) ATM
- (ii) Wireless Links

9. Describe the following : 20

- (i) Security Management
 - (ii) Class of Service
 - (iii) Quality of Service
 - (iv) Windows NT/2000
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