

Roll No. ....

Total Pages : 2

**GSQ/M-21**

**1767**

**COMPUTER NETWORKS**

Paper-II

Time Allowed : 3 Hours]

[Maximum Marks : 40

**Note** : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. 1 is compulsory. All questions carry equal marks.

**Compulsory Question**

1. (i) Discuss Network Interface Cards & PC Cards.
- (ii) Write short note on Multiplexing.
- (iii) Explain the Wireless LAN.
- (iv) What is Domain Name System ? 2×4=8

**UNIT-I**

2. Compare TCP/IP Model and OSI Model in detail. 8
3. What do you understand by Network topologies?  
Discuss various types of Network topologies. 8

**1767/K/87**

**P. T. O.**

## **UNIT-II**

4. (a) What is Transmission Media? Discuss guided and unguided transmission media. 5
- (b) Discuss the terms Data Rate and Baud Rate. 3
5. Explain the concept of Switching with the help of suitable diagrams. Discuss various advantages and disadvantages of Switching. 8

## **UNIT-III**

6. What is the purpose of Data Link Layer? Explain various Sliding Window Protocols. 8
7. Explain the various Error detection and Correction techniques with suitable examples. 8

## **UNIT-IV**

8. Elaborate on various types of Encryption methods. Discuss the Network Security Issues. 8
9. Explain the Shortest Path Routing and Distance Vector Routing. 8