

**ET604M - Computer Network**

P. Pages : 2

Time : Three Hours



**GUG/W/24/13937**

Max. Marks : 80

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- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Assume suitable data wherever necessary.

1. a) Discuss about Domain name system in detail. 8
- b) Write short note on: 8
- i) FTP ii) Electronic mail

**OR**

2. a) Write short note on: 8
- i) HTTP ii) Socket Programming
- b) What are the principles of network applications? 8
3. a) Discuss about the working of Circuit Switching. 8
- b) Write short note on: 8
- i) 2-stage networks ii) n-stage networks

**OR**

4. a) Discuss about three generation of packet switches. 8
- b) What is Statistical Multiplexing. 8
5. a) Define in details 8
- i) Virtual-Circuit ii) Datagram Subnet
- b) Discuss about Connectionless & Connection oriented transport. 8

**OR**

6. a) Give detail information about 8
- i) TCP ii) UDP
- b) Write short note on Remote Procedure Call. 8
7. a) Discuss various issues in Resource Allocation. 8

- b) Discuss about Congestion Avoidance Mechanisms. 8

**OR**

8. a) Discuss about the concept of congestion. Also mention the choke packets and load shedding techniques to control congestion. 8

- b) Write short note on QoS provided by transport layer. 8

9. a) Write short note on Routing algorithms. 8

- b) Discuss about Ethernet in detail. 8

**OR**

10. a) Discuss about Local area network. Is it important in network? If yes, then give reason. 8

- b) Discuss about pure ALOHA & slotted in detail with proper sketch. 8

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