CT602 - Computer Network & Communication

P. Pages : 1 **GUG/W/16/5346**

Time : Three Hours ‖‖‖‖‖‖‖‖‖‖‖ Max. Marks : 80
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Notes : 1. All questions carry equal marks.
2. Answer **five** questions.
3. Assume suitable data wherever necessary.

1.	a)	Explain in detail about ISO-OSI reference model.	**8**
	b)	Explain LAN, MAN, WAN.	**8**

OR

2.	a)	Explain TCP/IP Reference model.	**8**
	b)	Explain ATM Reference model.	**8**
3.	a)	Explain various Framing Techniques in detail.	**8**
	b)	Explain the concept of sliding window protocol using Go back n protocol	**8**

OR

4.	a)	Explain the working of data link layer in the internet.	**8**
	b)	Explain CSMA/CD protocol.	**8**
5.	a)	Compare Virtual-Circuit & Datagram Subnet.	**8**
	b)	What is Routing Algorithms ? classify them.	**8**

OR

6.	a)	Explain shortest path Routing.	**8**
	b)	Explain IP protocol.	**8**
7.	a)	What are various transport service primitive.	**8**
	b)	Explain TCP & UDP protocols.	**8**

OR

8.	a)	Explain addressing in transport layer.	**8**
	b)	Explain how TCP controls congestion.	**8**
9.	a)	Explain the basic functions of e-mail system.	**8**
	b)	How POP works? What are advantages of IMAP over POP.	**8**

OR

10.	a)	Explain overview of www.	**8**
	b)	Explain uniform resources locations.	**8**

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