QP Code: 3323

## (3 Hours)

Total marks: 80

B. 1		_
- 1/1	of	_

- Question No. 1 is compulsory.
- Attempt any Three questions out of remaining questions.
- Make suitable assumptions whenever necessary.

Q1:		[4X5]
	a) What are the design issues for the Layers? b) Differentiate between Aloha and Slotted Aloha. c) Explain in short different framing Methods.	
	d) How does the Token Bucket Algorithm works? e) Why does the data link protocol always put the CRC in a trailer rather the header?	n in a
Q 2:		
	a) Explain Sliding window Protocol using Go Back-N technique.     b) Describe the OSI Referance Model with a near diagram.	[10] [10]
Q 3:		
	<ul><li>a) What is the function of IP Protocol? Discuss its header format.</li><li>b) Discuss the quality of service parameters in computer network.</li></ul>	[10]
Q 4:		
	a) What is count to infinity problem in distance vector routing?Discu	ss in detail.
	b) Explain three way hands ake technique in TCP.	[10]
Q 5:	And the second s	
	<ul><li>a) Explain the need for DNS and describe the protocol functioning.</li><li>b) Explain Explain CSMA Protocols. Explain how collisions are handle</li></ul>	[ 10 ] d in
	CSMA/CD.	[10]
Q 6: Wr	ite short notes on the following. [5 X	4]
	a) Functions of Session Layer. b) Address Resolution Protocol (ARP).	
	c) Berkeley Socket	
	d) Differentiate between OSPF and BGP.	

JP-Con. 10338-15.