## B. TECH. IN COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

## Term-End Examination December, 2013

## **BICS-017: COMPUTER NETWORKS**

DICS-017: COMPUTER NETWORKS							
Time	: 3 h	ours Maximum Marks	s : 70				
Note		attempt <b>any seven</b> questions. All questions carry <b>e</b> narks.	equal				
1.	(a) (b) (c)	What do you mean by Network Protocol? Explain OSI reference model. How can you compare LAN and WAN?	2 5 3				
2.	(a) (b)	Define the term socket. List the types of socket.  What is the difference between IP Addresses and Port Number?	6 4				
3.	What do you mean by congestion control? 2 Explain Leaky Bucket algorithm and Token bucket Algorithm.						
4.	by to 1 m	omputer on a 6-mpbs Network is regulated oken bucket. Token bucket is filled at a rate of bps. It is initially filled to a capacity with egabits. How long can computer transmit at	10				

the full 6 mbps?

	` '	Explain.		O	J	
	(b)	Write a short note	on IP.		5	
6.	Discuss the following :			4x2.5=	=10	
	(a)	Hubs				
	(b)	Switches				
	(c)	Bridges				
	(d)	Gateway				
7.		do you mean by cabling in details.	an Ethernet ? Exp		2+8	
8.	(a)	Explain about the	frame format of PPF	).	5	
	(b)	Explain the stop a	nd wait protocol.		5	
9.		are multimedia a in in detail.	pplications classifi	ed ?	10	
10.	Write short notes on the following (any two): $5x2=10$					
	(a)	Cryptography.				
	(b)	Network Manager	nent Activities.			
	(c)	TCP.				

(a) What is meant by multicast routing?

5

5.