No. of Printed Pages: 2

B.Tech. - VIEP - COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

Term-End Examination

June, 2015

BICS-017 : COMPUTER NETWORKS

Time : 3 hours

Maximum Marks : 70

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Note : Attempt any **seven** questions. All questions carry equal marks.

1.	(a)	Explain OSI reference model.	5
	(b)	Explain in brief on any five application layer protocols.	5
2.	(a)	What is an IP address ? Explain on Class-A, Class-B, and Class-C IP addresses.	7
	(b)	Explain in brief on Network Topologies.	3
3.	-	ain in detail the IPv4 and IPv6 packet er formats.	10
4.	(a)	What do you mean by Switching and Routing?	3
	(b)	What is a port in a network context ? Write any six standard network ports.	7
5.	-	ain about multiplexing and demultiplexing in transport layer.	10
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6.	(a)	State the various design issues for the data link layer.	7
	(b)		3
7.	Expla	do you mean by congestion control ? in Leaky Bucket algorithm and Token et algorithm. $2+8=1$	0
8.	(a)	Explain TCP header and the workings of the TCP protocol.	5
	(b)	Explain ARP and RARP protocols.	5
9.	(a)	-	5
10.	(b) Write	How does DNS work ? Explain. short notes on any two of the following : $2 \times 5 = 1$	5
	(a)	Network Management	0
	(b)	Streaming Audio	

(c) ATM Networks

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