USN					



## Internal Assessment Test 1 – March. 2018

Sub:	c: Computer Communication Networks				Sub Code:	15EC64	Bra	nch	EC	E		
Date:	11/03/2018 Duration: 90 min's Max Marks: 50					Sem / Sec:	V	I A,B			OE CO	
	Answer any one question from each part  Part1						MAR	MARKS		RBT		
1	Explain the major components of components of data communication system and explain different topologies followed in computer network						[10	]	CO1	L2		
2							[10	]	CO1	L2		
3	With a neat description of	-	explain the		toco	l model ai	nd give a	brief	[10	]	CO1	L2
4	Compare TC schemes.	P/IP and (	OSI referei		nd e	xplain diffe	erent addres	ssing	[10	]	CO1	L2
				Part3								
5	Explain bit stu	ıffing and u	nstuffing a	nd byte stuffin	ıg an	d unstuffing	g with examp	ole.	[10	]	CO1	L2
6	Explain Addre	ess Resoluti	on Protoco		neat	diagram.			[10	]	CO1	L2
7	Part4 Explain CSMA and show behavior of three persistence methods of CSMA.						[10	1	CO1	L2		
	•			•								
8	Explain CSM	[A/CA and :	frame excha	ange time line Part5	diag	ram with pi	oper figures	•	[10	]	CO1	L2
9	Define pure A	LOHA wit	h proper fig	ure.					[10	]	CO1	L2
	In slotted aloh What is the th frames/sec c)	roughput if	the system					bps.	[10	]	CO1	L2
10.	Explain stop a	and wait pro	otocol with	block diagram	, FSI	M and flow	diagram.		[10	]		

6 (a) Explain cable TV network for data communication	[05]	CO1	L2
(b) Describe SS7 signaling	[05]	CO1	L2
7 (a) Explain TCP/ IP protocol suite	[10]	CO1	L2
8 (a) Differentiate between TCP/IP model and OSI model.	[06]	CO1	L2
(b) Relate the following to the layer in OSI model	[04]	CO1	L3
<ul><li>i. Interface to transmission media</li><li>ii. Route determination</li><li>iii. provide access for end user</li><li>iv. format and code conversion services</li></ul>			