JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year I Semester Examinations, March - 2017 COMPUTER NETWORKS

(Common to ECE, EIE, BME)						
Time:	3 Hours			Max. Marks: 75		
Note: This question paper contains two parts A and B.						
	Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B					
485 86 1 8 68 8854 7 7 8 8854	consists of 5 Units. Answer any one full question from each unit. Each question carries					
	10 marks and may have a, b, c as sub			M'We O''' O''		
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Part- A (25 Marks)						
1.a)	How selective repeat protocol resolve		d wait protocol?	[2]		
b)	What are the applications of Infrared		wait protocor.			
c)	Mention some of the physical propert	62 174		.:[3].: ::[2]	2	
d)	Explain the function of repeaters.	ies of Emerie.		[3]		
e)	What are the metrics used by routing	protocols				
		_		[2]		
f)	How does netid differ from a network			[3]		
g)	Explain briefly about Crash recovery.			[2]		
h) i)	Explain about Packet Fragmentation.	1 2 1		·[3].:: ·[2]···	- 5	
	What are the basic functions of email	=	70 4 70 644		- 1	
j)	What are the two main categories of I	ONS messages?		[3]		
Part-B (50 Marks)						
74.6	Explain about the Committee College		LANCE AND	200 200		
2;a) b)	Explain about the Coaxial Cable with			``[5 + 5]	4	
b)	What is bit and byte stuffing explain	_		[5+5]		
2 \		OR				
3.a)	Explain the frame format of PPP.					
b)	Draw the layered architecture of the OSI reference model and write two services					
	provided by each layer of the model.		****	[5+5]	165	
4.a)	100 To 10	Lyan Track		." "".		
	Explain the flow diagram of CSMA/C					
b)	Explain about the source routing bridge	ge.		[5+5]		
OR						
5.a)	Explain about channelization protocols.					
b)	Explain the categories of standard Eth	iernet.	211	[5+5]	100	
		Santa Santa			1,	
6.	Explain about the Distance Vector rou	iting protocol with	an example.	[10]		
OR						
7.	Explain about the Link State routing a	algorithm.		[10]		
8	Explain about DHCP.	, married to the control of the cont	(*************************************	-[10]	- 3	
	Explain about DHCP.	OR		37 53	3	
9.a)	Explain about CIDR.					
b)	Explain about RARP.			[5+5]		
- /				[3,3]		
10.	Explain the various fields of the TCP header with the help of a neat diagram.[10]					
· 1.0		OR:				
11:a)	Explain about the window management	, , ,			- 1	
b)	Explain about HTTP request.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		[5+5]		
0)	-	00000				