NR

Code No: A5803

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD M.Tech I Semester Examinations, October/November-2011 COMPUTER COMMUNICATIONS (COMPUTER SCIENCE AND& ENGINEERING)

Time: 3hours Max. Marks: 60

Answer any five questions All questions carry equal marks

1.a) b)	Discuss the design issues for the layers. What is principle of layers? Draw the OSI reference model.	[6+6]
2.a)	What do you mean by twisted pair? Discuss the difference between categ and category-5 twisted pair.	ory-3
b)		[5+7]
3.a)	What is the difference between FDD (Frequency division duplexing) and (Time division duplexing).	TDD
b)		[6+6]
4.a) b)	What is a store-and-forward packet switching? Explain. Compare virtual-circuit and data gram subnet.	[6+6]
5.a)	What is the difference between Transport Service Access Point (TSAP) NSAP? Explain.) and
b)	1	[6+6]
6.a) b)	Explain the principle DNS resource record for IPV4. What is difference between Paper mail and E-mail?	[6+6]
7.a) b)	What are symmetric-key algorithms? And explain P-box and S-box. Explain the data encryption standards with examples.	[7+5]
8.a)	What is the difference between leased-line private network and virtual prinetwork.	rivate
b)		[6+6]

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