## BT-6/J07

9112

Computer Communication Networks (2005-06)

Paper: ECE-310E

m.	TI1		
lime:	Three	Hours	

[Maximum Marks: 100

Note:— Attempt FIVE questions in all, selecting at least ONE question from each unit.

## UNIT-I

1.	(a)	Discuss the working of broadband ISDN line.	10
	(b)	Give the details of ATM cell.	10

2.	(a)	Give the specifications of various transmission media as t	wiste
		wire, co-axial cable and fibre optics.	12

(h)	Discuss the working of communicat	ion antallitas
(0)	Discuss the working of communicat	ion satemites.

## UNIT-II

3.	(a)	Differentiate between circuit switching and packet s	witching.
	11-14-15		11

(b)	How does the CRC	checker know	that the	received	data unit i	S
	undamaged?				10	)

4.	(a)	What are the	e advantages	of FDDI	over a	basic	token	ring	?
								100	6

(b)	What	is	the	baud	rate	of	standard	10	Mbps	802.3	LAN	?
				1919								7

(c)	What signal to noise ratio	is needed to put a T, carrier on a
	50 kHz line?	n, cultient gain, input and outpox 7

## UNIT-III

5.	(a)	Write an	d explain	the	Leaky	bucket	algorithm	in	congestion
		control.	on Mean						10

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,	(b)	What do you mean by remote procedure calls? What are it applications?	
6.	(a).	A TCP machine is sending windows of 65,535 bytes over	a
		1-Gbps channel that has a 10-msec one way delay. What	is
		maximum throughput achievable? What is the line efficiency	
	(b)	What is the role of session layer in ISO-OSI model?	8
		UNIT—IV	
7.	(a)	Discuss the design issues related to presentation layer.	0
	(b)	What do you mean by cryptography? How it can be performed	ed
		using ciphers?	0
0	Wini	te short notes on following:—	
8.			0
			.0
	(b)	Protocols used in E-man and working.	
el tio	(a)	(b) Say Alarah (c) AC abackir know that the received	
C		Ver Avisabili	
-		A (a) What are No Allayayes of FDDL over a basic o	
		a strang to all its Entitle of constitution of the Assessment Con-	
		(b) What is the bend where Lundard 10 Mone-80	
		T is invest the noise of the second at the second at T. c.	
		50 kHz filed	
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