## Third Semester MCA Degree Examination, June/July 2016

## **Computer Networks**

Tin	ne: 3	hrs.	N	lax. Marks:100
			Note: Answer any FIVE full questions.	3.
1	a.	and the same of th	LAN and PAN. gure explain TCP/IP reference model.  Transmission Impairments.  Nyquist Bandwidth and Shannon capacity Formula.	(10 Marks)
	b.	with a fi	gure explain TCP/IP reference model.	(10 Marks)
2	a. b.		Transmission Impairments.  Nyquist Bandwidth and Shannon capacity Formula.	(10 Marks) (10 Marks)
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3	a. b.		note on fiber cables and also compare fiber optics and copper wire camples, explain How Digital modulation is accomplished	
		transmiss		(10 Marks)
4	a.		e algorithm to compute CRC. Calculate the CRC for a frame 110	
	1		or $G(x) = x^4 + x + 1$ .	(10 Marks)
	b.	Explain a	a simplex stop and wait protocol for a noisy channel.	(10 Marks)
5	a.	Explain t	the following collision free protocols.	
			Bit-Man protocol	
			oken passing	(10 Marks)
	b.	With illu	stration explain distance vector Routing.	(10 Marks)
6	a.	Briefly explain the different feedback mechanisms used in Traffic Throttling congesti		
		control a		(10 Marks)
	b.	Discuss 1	IPV4 protocol.	(10 Marks)
7	a.	Explain 7	FCP connection establishment and TCP connection release.	(10 Marks)
	b.		gure discuss Remote procedure call.	(10 Marks)
8		Write she	ort notes on the following:	
	a.	DNS	or more on the remaining r	
7	b.	www		
101	C.	Fast Ethe		
11.	d.	Wireless	LAN	(20 Marks)

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