Third Semester MCA Degree Examination, Dec.2018/Jan.2019

Computer Networks

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

Note. Answer any FIV L jun questions.			
1	a.	Explain TCP/IP Reference model.	(10 Marks)
	b.	Explain in brief different examples of networks.	(10 Marks)
2	a.	Explain transmission impairments.	(10 Marks)
	b.	Compare analog transmission and digital transmission. Why digital transmission	
		over analog transmission? Give reasons.	(10 Marks)
3	a.	Explain FDM, TDM and CDM.	(12 Marks)
	b.	Explain First Generation mobile phone and its technology.	(08 Marks)
4	0	Explain simplex stop and wait protocol for a noise channel.	(10 Marks)
4	a. b.	Explain protocol using Go-Back-N.	(10 Marks)
	υ.	Explain protocol using Go-Dack-IV.	(10111111)
5	a.	Explain bit map protocol and token passing.	(10 Marks)
	b.	Explain Bluetooth architecture and Bluetooth applications.	(10 Marks)
6	0	Explain distance vector routing and count-to-infinity problem.	(10 Marks)
6	a. b.	Explain different approaches to congestion control in brief.	(10 Marks)
	υ.	Explain different approaches to congestion control at office.	
7	a.	Explain TCP segment header.	(10 Marks)
	b.	Explain TCP connection establishment and TCP connection release.	(10 Marks)
8	a.		(10 Marks)
	b.	Explain content delivery networks.	(10 Marks)
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2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8=50, will be treated as malpractice. Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.