Code No: C5504 **R09**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech I Semester Examinations March/April-2011
ADVANCED COMPUTER NETWORKS
(EMBEDDED SYSTEMS)

Time: 3hours **Max.Marks:60**

Answer any five questions
All questions carry equal marks
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1.a)	What is frame Relay? Explain about characteristics of TCP.	(6M)
b)	Explain briefly about Queue management.	(6M)
2.a)	What is Medium Access control Layer? Explain about it.	(6M)
b)	Explain about Third Generation cellular systems.	(6M)
3.a)	What is VPN? Explain VPN architecture.	(6M)
b)	What are the VPN advantages and disadvantages?	(6M)
4.	What is ATM Network? Explain about ATM layers.	(12M)
5.a)	Explain briefly about SONET/SDH architecture.	(6M)
b)	Write about Bit-Allocation algorithm in Interconnection networks.	(6M)
6.a)	What is Banyan Network? Explain Banyan Networks Properties?	(6M)
b)	Explain about Folding Algorithm.	(6M)
7.	Explain briefly about wireless wide area networks.	(12M)
8.	Explain the following:	
	i) Congestion control	(4M)
	ii) IEEE 802.16 standard	(4M)
	iii) Bluetooth.	(4M)

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