

Code No: C5504**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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