

Code No: C8201, C7801, C8410, C2505, C6205

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.Tech I - Semester Examinations, March/April-2011

ADVANCED COMPUTER NETWORKS

(COMMON TO COMPUTER NETWORKS, COMPUTER NETWORKS AND INFORMATION SECURITY, REAL TIME SYSTEMS, SOFTWARE ENGINEERING, WEB TECHNOLOGIES)

Time: 3hours

Max. Marks: 60

**Answer any five questions
All questions carry equal marks**

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- 1.a) What are the general techniques to improve the quality of service? Explain.
- b) Explain the policies that can prevent congestion. [12]

- 2.a) What are the applications of Bluetooth?
- b) Compare a piconet and a scatternet.
- c) Match the layers in Bluetooth and the internet model. Explain. [12]

- 3.a) Explain the dynamic resource allocation.
- b) What are the advantages and disadvantages of Virtual private networks? [12]

- 4.a) Explain about the ATM Adaptation layer3/4.
- b) Explain about the ATM traffic parameters. [12]

- 5.a) Explain about the Banyan network.
- b) Explain about the Bit- allocation algorithm. [12]

- 6.a) What are the attributes that are used for traffic control in frame relay? Explain.
- b) Describe about the architecture of Cellular System. [12]

- 7.a) Describe the various categories of ATM service.
- b) Explain the different types of Virtual private networks. [12]

- 8.a) Explain about the Folding algorithm.
- b) Describe the different layers are used in SONET. [12]

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