R09

Code No: C3808, C0609, C7008

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech I Semester Examinations March/April-2011
INTERNET WORKING
(COMMON TO DIGITAL ELECTRONICS & COMMUNICATION SYSTEMS, DIGITAL SYSTEMS & COMPUTER ELECTRONICS, ELECTRONICS & COMMUNICATION)

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

Answer any five questions
All questions carry equal marks

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1. a) Briefly discuss about Network Level Interconnection.
   b) What are the various types of connecting devices? Explain briefly. [6+6]

2.a) Difference between classful addressing and classless addressing with neat sketch.
   b) Explain how the subnetting is differing from supernetting in classful addressing. With neat sketch. [6+6]

3. a) Explain how the fragmentation is done in internet protocol address.
   b) Explain how the flow control and error control works in transmission control protocol. [6+6]

4. a) What are the features of stream control transmission protocol.
   b) Difference between transmission control protocol and stream control transmission protocol packet. [6+6]

5. a) What is intradomain routing and interdomain routing? Explain briefly.
   b) Explain how the Initialization of tables in distance vector routing. [6+6]

6. a) Difference between unicasting, multicasing and broadcasting.
   b) Explain how the distribution of name space in domain name system. [6+6]

7. a) Explain how the connection is needed for FTP file transfer and with neat sketch.
   b) What are the various approaches for streaming stored audio /video? Explain it. [6+6]

8. Write a short note on:
   a) Packet-Filter Firewall.
   b) Proxy Firewall. [6+6]

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