Code No: C6108, C6508
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech I - Semester Examinations March/April-2011
VOICE OVER INTERNET PROTOCOL
(COMMON TO COMMUNICATION SYSTEMS, WIRELESS & MOBILE
COMMUNICATIONS)

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

Answer any five questions
All questions carry equal marks
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1. (a) Write about the Transmission Control Protocol.
    (b) Discuss the Interworking of IPv4 and IPv6.   [12]

2. (a) Explain the IP Multicast mechanism.
    (b) Brief about the VoIP challenges.   [12]

3. Describe the H.323 Architecture and signaling in detail.   [12]

4. (a) Explain the SIP messaging syntax.
    (b) Describe the usage of SDP with SIP.   [12]

5. What do you mean by QoS and explain end to end quality of Service in detail.
                                                                      [12]

6. (a) Explain the resource reservation protocol to achieve QoS.
    (b) Explain the functions of MPLS.   [12]

7. Explain the SS7 Protocol Suite with its sub parts with neat diagrams.
                                                                      [12]

8. (a) Write short notes on Sigtran.
    (b) What is M2PA and explain its operation.   [12]

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