

**R09**

Code: 9A05806

B.Tech IV Year II Semester (R09) Advanced Supplementary Examinations, July 2013

**INTERNETWORKING WITH TCP/IP**

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions

All questions carry equal marks

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- 1 Discuss in detail about TCP/IP protocol suite. Compare the OSI model with TCP/IP model.
- 2 What is and IP address? Describe in detail about IPV4 classful addressing.
- 3 (a) Discuss in detail about ARP and ATMARF.  
(b) What is an ICMP? What are its applications?
- 4 Explain the distance vector routing tables with initialization, shearing and updating of the tables.
- 5 Discuss in detail the user datagram protocol (UDP) and also mention various applications of UDP.
- 6 (a) List and explain the purpose of each timer in TCP.  
(b) Explain the flow control mechanism in TCP.
- 7 (a) Compare FTP and TFTP.  
(b) Write short notes on TELNET.
- 8 (a) Give the addressing formats of IPV6. Discuss the advantages of IPV6.  
(b) Write a note on ICMPV6 messages.

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