

Code No: H5801/R13

M. Tech. II Semester Regular/ Supplementary Examinations, July-2016

COMPUTER NETWORKS

(Computer Science & Engineering)

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

Answer any FIVE Questions
All Questions Carry Equal Marks

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| 1. a | Compare and contrast broad band ISDN with Narrow band ISDN. | 6 |
| b | Describe the Cyclic Redundancy Check error detection mechanism. | 6 |
| 2. a | Discuss the framing technique used in HDLC. What is the effect of errors on this framing? | 6 |
| b | Briefly describe IEEE 802 LAN standards. | 6 |
| 3. | Explain in detail about the steps involved in the routing process of a packet in a network. | 12 |
| 4. | What is internetworking? Discuss the various global addressing schemes and the issues in forwarding the IP. | 12 |
| 5. a | Give the cell format and connection setup in ATM networks. | 6 |
| b | What is a Remote Procedure Call? For what purpose it is used? Give the features of BLAST, SELECT and DEC remote procedure calls. | 6 |
| 6. | Explain about the features of TCP and UDP with neat diagrams. | 12 |
| 7. a | What is cryptography? Explain public and private keys to be used for cryptography mechanism. | 6 |
| b | Give the role of a DNS on a computer Network. | 6 |
| 8. | Explain SMTP and HTTP protocols. Give their uses. Describe their merits and demerits. | 12 |
