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Printed Pages: 2

BCA/M-15

DATA COMMUNICATION AND COMPUTER

NETWORK

Paper-BCA-346

Time allowed: 3 hours]   **[Maximum marks: 80**

Note: Attempt **five** questions in all, selecting at least **one** question from each unit. All questions carry equal marks.

Compulsory Question

1. Write short notes on the followings:
   (a) Bandwidth
   (b) Analog system
   (c) Wide Area Network
   (d) HDLC
   (e) Framing
   (f) TCP
   (g) Ethernet
   (h) Hamming Distance

UNIT-I

2. Explain multiplexing. Give detailed description of FOM, WOM and TDM.
3. Explain Modulation and various techniques for modulating Digital data into Analog signals.

UNIT-II

4. Explain CRC in detail along with an example.
5. Explain LAN, MAN and WAN in detail.

UNIT-III

6. (a) Explain Asynchronous transfer modes.
   (b) Explain Frame Relay and its layers.
7. Explain OSI reference Model and all its layers along with function of each layers.

UNIT-IV

8. Explain Go- back-N ARQ and stop and wait ARQ in context to sliding window protocol.
9. Explain IEEE standards for LAN in detail.
10. (a) Explain Token Ring LAN
    (b) Explain FDDL.