

II B.Tech II Semester Supplementary Examinations, April/May 2005

DATA COMMUNICATIONS

(Electronics & Computer Engineering)

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. Explain how the error probability varies with signal energy for
(i) psk (ii) fsk.
2. (a) Explain the difference between DDD circuit and private line circuits
(b) Define the following terms Local Loop, Trunk, Common Usage and Dial Switch.
(c) What is a DCE?
3. Explain the working of UART with neat block diagram.
4. Explain the different types of data modems
5. (a) What are the basic features of IBM's bisync protocol.
(b) Explain bisync frame format with neat diagram.
(c) Explain how bisync protocol used for point-to-point communication.
6. Draw the biplhase, miller and dicode line encoding format for the data 11010100011 and summarise their general characteristics.
7. (a) What is the difference between a DUV and a DAV network.
(b) What are the four primary types of hybrid data network?
8. What is multi point line control? Explain briefly one new link procedure/protocol?
