

Code No: 45100

R07

Set No - 2

III B.Tech I Semester Regular Examinations, Nov/Dec 2009

DATA COMMUNICATION SYSTEMS

Common to Information Technology, Computer Science And Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. (a) List and explain the three satellite orbital patterns?
(b) What are the optical properties of radio waves? [8+8]
2. Describe high level data link control? [16]
3. (a) Describe the plenum and plenum cable?
(b) What is an optical detector? Explain its characteristics? [8+8]
4. (a) List the basic parameters of GSM?
(b) Explain the AMPS frequency allocation? [8+8]
5. (a) What is the purpose of dial tone and when is it applied to a telephone circuit?
(b) What are the three categories of transmission parameters? [8+8]
6. (a) Give a Brief description of amplitude-shift keying(ASK)?
(b) Discuss the design issues for layering? [8+8]
7. (a) Contrast delta modulation PCM and standard PCM.
(b) Describe the operation of fractional T carriers? [8+8]
8. Explain the most common modulation methods used with 56k voice-band modems? [16]
