Code: 9A12302

R09

B. Tech II Year I Semester (R09) Supplementary Examinations, May 2013
DATA COMMUNICATION SYSTEMS
(Information Technology)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1   What are the various types of network topology? What are the implications of having different topology?

2   Contrast the advantages and disadvantages of step-index, graded index, single mode propagation and multi mode propagation.

3 (a)   Define and explain quantization and describe a folded binary code.
   (b)   Write short notes on dynamic range.

4 (a)   Describe a satellite foot print.
   (b)   Explain the terms FDMA, TDMA, CDMA.

5 (a)   Explain about station signaling and inter office signaling.
   (b)   Explain the basic purpose of call progress tones and signals.

6   Name and describe the two most prevalent types of interference in cellular telephone systems.

7   List and explain various types of bar codes.

8   List and describe the two transmission modes used with data communication modems.

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