

**FACULTY OF ENGINEERING****B.E. 2/4 (CSE) II Semester (Main) Examination, May/June 2011****DATA COMMUNICATIONS****Time : 3 Hours ]****[ Max. Marks : 75****Note : Answer all questions from Part – A. Answer any five questions from Part – B.****PART – A****(Marks : 25)**

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|---|---|
| 1. Define circuit switching.                            | 3 |
| 2. What are the layers in TCP-IP model ?                | 2 |
| 3. What is Intermodulation Noise ?                      | 2 |
| 4. What is full duplex transmission ? Give one example. | 3 |
| 5. What is parity check ?                               | 2 |
| 6. Define error control.                                | 3 |
| 7. Define ADSL.   | 3 |
| 8. What is Frame Relay ?                                | 2 |
| 9. What is Bus Topology ?                               | 3 |
| 10. What is MAC ?                                       | 2 |

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**PART – B****(Marks : 50)****Answer any five.**

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| 11. Explain guided transmission media and its characteristics.                     | 10 |
| 12. Define line configuration and interfacing with characteristics of interfacing. | 10 |
| 13. Explain HDLC.  | 10 |
| 14. Compare packet switching with circuit switching with suitable example.         | 10 |
| 15. What is CSMA/CD algorithm ? Explain.   | 10 |
| 16. Explain Bluetooth Architecture in detail.                                      | 10 |
| 17. Give the Frame Format of IEEE 802.11 and explain briefly.                      | 10 |