

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)**

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

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

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