



Code No. : 5239/O

FACULTY OF ENGINEERING
B.E. 2/4 (CSE) II Semester (Old) Examination, May/June 2012
DATA COMMUNICATIONS

Time: 3 Hours]

[Max. Marks : 75

Note : Answer **all** questions of Part A. Answer **any five** questions from Part B.

PART – A

25

1. What is a protocol ? 2
2. Define Manchester and differential Manchester encoding. 3
3. What is interfacing ? 3
4. What is a parity check ? 2
5. What is congestion ? 3
6. What is the use of AAL protocol ? 2
7. Compare Bus topology with star topology. 3
8. What is Ad-HOC Networking ? 2
9. Define FDDI. 2
10. What are the advantages of CSMA/CD over CSMA ? 3

PART – B

50

11. What are the transmission impairments ? Explain all of them. 10
12. Write a notes on :
 - a) Guided transmission media. 5
 - b) Sliding window protocol. 5



13. Compare Asynchronous transmission with synchronous transmission. 10
 14. Explain CRC (Cyclic Redundancy Code) error detection technique with numerical example. 10
 15. Define multiplexing. Compare TDM with FDM. 10
 16. Explain the MAC layer format. 10
 17. Explain the Bluetooth architecture. 10
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