

FACULTY OF ENGINEERING

B.E. 2/4 (CSE) II Semester (Main) Examination, May/June 2011

DATA COMMUNICATIONS

Time : 3 Hours]

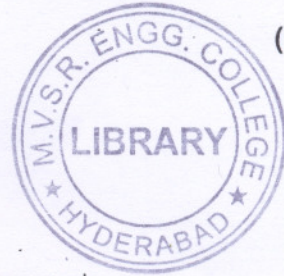
[Max. Marks : 75

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**.

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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 |