

**D 51638-A**

(Pages 2)

Name.....

Reg. No.....

**FIFTH SEMESTER B.TECH. (ENGINEERING) DEGREE  
EXAMINATION, DECEMBER 2008**

**IT 04 502—DIGITAL DATA COMMUNICATION**

(2004 admissions)

Time : Three Hours

Maximum : 100 Marks

*Answer all questions.*

**Part A**

1. (a) Explain half duplex and full duplex communication.
- (b) Explain Time Division multiplexing.
- (c) Explain the check sum method to detect the errors.
- (d) Briefly explain huffman coding.
- (e) Write short notes on faesimile compression.
- (f) Discuss on the link management.
- (g) What is LAPB ?
- (h) Explain about duplex protocols.

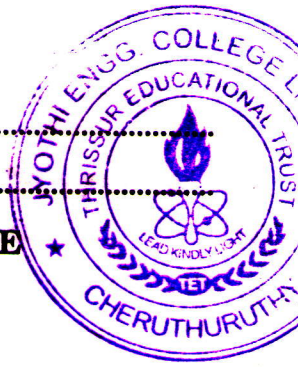
(8 × 5 = 40 marks)

**Part B**

2. (a) Write short notes on analog signals.
- (b) Discuss the physical layer interfacing standards.
- Or*
- (c) Explain the categories of transmission media.
3. (a) Write short notes on asynchronous and synchronous transmission.
- (b) Explain the error correction techniques.
- Or*
- (c) Discuss on any *two* error detection mechanisms.
4. (a) Write short notes on Go back – N Arice method.
- (b) Explain the sliding window protocol.

*Or*

**Turn over**



- (c) Explain selective repeat of error control mechanism.
- (d) Write short notes on link utilization.
5. (a) Explain the character-oriented protocols.

Or

- (b) Discuss on high level data link control.

(4 × 15 = 60 marks)