

Dept. of Computer Science and Engineering
East West University
CSE 405 (Computer Networks)
Quiz # 1
Points: 10 marks
Time: (25 min +5 min) = 30 min

Please answer the following questions. (4*2.5 = 10 marks)

- 1) What would be the bit pattern of the following bit stream after “Bit Stuffing”? Please indicate the stuffed bit.

010101111100100100101111001111110

- 2) What would be the pattern of the following stream after “Byte Stuffing”? Please indicate the stuffed byte.

A B ESC Flag D ESC Flag

- 3) Briefly explain while calculating contention period (2τ), why propagation delay between two farthest hosts are considered
- 4) Briefly explain how CSMA/CD protocol is designed to be ‘half duplex’.