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CSC335-01

Winter 09

Homework 6 : 2, 3, 5, 6, 8, 16

2a. 0000 0100 0100 0111 1110 0011 1110 0000 0111 1110

2b. 0111 1110 0100 0111 1110 0011 1110 0000 1110 0000 1110 0000 0111 1110 0111 1110

2c. 0111 1110 0100 0111 1101 00011 1110 00000 0111 11010 0111 1110

3. A B ESC ESC C ESC ESC ESC FLAG ESC FLAG D

5. 011110111110011111010

6. Yes; it is possible that a zero added by bit-stuffing is in error and cause the data to be misinterpreted, maybe as EOF

8. Two changes to even/odd digits results in a valid character, Hamming distance is 2.

16. So that the checksum is generated after all data is sent, so that it doesn’t have to be accessed again to transmit after already have been read for the CRC.

**Additional Problems on Page 2**

