**Home Assignment – CO 1**

1. Compare and contrast of OSI and TCP/IP network models
2. Discuss about Network software of computer networks
3. A bit stream 10011101 is transmitted using the standard CRC method described in the text. The generator polynomial is x^3+1. Show the actual bit string transmitted. Suppose the third bit from the left is inverted during transmission. Show that this error is detected at the receiver's end.
4. Elucidate error correction method hamming code with an example where M=1001011. How can you justify that the receiver has got error free data if any bit in the data is not changed. Justify your answer