

**K L University, Guntur**  
**A.Y:2016-2017**

**Offered By :-Department of Computer Science and Engineering**  
**Offered To:- Department of Electronics and Communication Engineering[ECE] & Electronics and Computer Science Engineering[ECM]**

Course Code & Title : 13-CS-205,Computer Networks		Branch : ECE & ECM
Class :III/IV B.Tech(5 <sup>th</sup> Sem)	Section: All sections(S1to S10)	Marks:-10
Team of Instructors: Dr.S.Venkateswarlu, Dr.K.Raghava Rao,Dr.R.Bulli Babu,Mr.D S Ram Kiran,Mr.A.V.Praveen Krishna , Smt.S.Nagendram		
Last date of Submission:29-08-16 (S1-S10)		

**Home Assignment -2**

Answer the following:-

1. Illustrate the parity bit and explain with two examples odd and even parity bits each?
2. Analyse the importance of checksum with an example?
3. Write all the steps involved in the Error Detecting Codes-CRC using an example (Source Text book pp: 196-198).
4. Illustrate using the generator  $x^5+x^3+x+1$  with a frame : 1101011010 using CRC Implementation on both sender and receiver side with respective steps?
5. Write all the steps involved in the Error Correcting Codes-Hamming Code technique using an example (Source Text book pp:193-195).
6. Illustrate using the frame 1001 the implementation of the hamming code at receiver side and sender side thoroughly?