48. Cyclic Redundancy Check Pt. 1

CRC generation at sender side –

1. Find the length of the divisor ‘L’.
2. Append ‘L-1’ bits to the original message.
3. Perform Binary Division Operation.
4. Remainder of the division.

49. Cyclic Redundancy Check Pt. 2

After this process the CRC is added at the trailer of the frame.

After the receiver receives the data, the Step1 to 4 is again carried out to calculate the CRC of the received data.

Then the CRC by Sender and CRC by receiver is compared.

If CRC matches, the frame is accepted by the receiver and further used. If not, the frame is rejected and an acknowledgement of the same is sent to the sender.