01

CSE320

Quiz-4

Fall 2022

Total Marks: 15

Name: Astukina - E-Rosul

ID: 20301454 Sec: 06

 [CO5] Write the steps of calculating checksum? Can a checksum be used to detect errors correctly 100% of the time? Why or why not? Explain with an example. [5]

A checksum can't be used to detect ennous connectly 100% of the time. Though it can detect maximum ennous but it will miss some of them connectly with in 100% of the time. Because of its louth. It can detect only up to 8 bits per time. So it is quit time consuming. There are \$\infty\$ stops to confound checksum.

 [CO5] Given the data word x^7+x^5+x^3+x^2+1and the divisor x^3+x+1, show the generation of the codeword at the sender site. If the receiver receives codeword as 10101010001, show whether is it a valid codeword or not. [10]

Griven,
The dota word = n+n+1

The divisor - n3+n+1

