4. Data Link Layer 2

Wednesday, February 17, 2021 12:57 PM

a.Senseque	
- Timp (bits) sit but a thing for the	6
Code rate:	
The no of bits in message	0
n no of bits in codeword	0
increase no bandwidth	0
efficiency reduces but	9
Sparity bit error detection performance	6
reducing parity bits increasing increases.	6
bandwidth efficiency but reduces	(
loaner deleters consolicity 7 CKU TO DICK WILL	(
2 Variation of Assert departments	0
heath and the first	er (
chance or lines properties	-
1) Message bits Lavarbille ([00,01, 10, 11]	-
Divier Monerator & available - take my two messages	5/ (
-> map to 3-bit code word	_ (
transmitter end: 7 [000,001,010,011,100,101,110,111	1
codeword ->take any two condensords and	
add them (xor)	
0.10	
act divisor (generator) 100	
I be Expensates 110 Should be present in the	
no o bits dadad, do fairly bit above group > LINEAR PROPERTY	
= 10 1/ 6/13/11	
Mucheta - take any 4 codewords and	
bjenerator message bit to cyclic shaft it to get a	
I divisor imagane uuu I temainder bit Valid internal - Come Pa	PERTY
(4bit) (4bit) (3bit) > noazarao[zr, ro	1
remainder - barry bit	
वित्रक विकास है विकास कर के किया किया किया किया किया किया किया किया	RXI

	2 doit durso
	3 ubit diase
10M 1101 -> M=110	1000
m = 1021 1101	
D = 18 1001 110 R = 100	ASSET FIRE FORTING
0.0	-
1001 1101000 Codeword:	= 1101100
chide >1000 Al receive	er's end: revered message is
gry MGB 1001 Al receive	game
Tot Dittary	
dinsigh wdeword	Checker (Birvet)
	5 Durision 5
1 -0-2	1010 (Revised) -
Syndrome value = 000	1 100 4,110
THE STATE OF THE S	KIDII GR
if not 0 the message is incorrect	W 0101
1 > message is incorrect	0000
*we can detect position of error.	1011
with CRC (with extra complexity)	1011
Woo 2	2000
	Syndrome Syndrome
1001 (101)00	Silanine
1001 Checksum >	on deletion
Tool Checksum >	after acceptant
1001/ Gransport Layer	11-01
ood message:	
adall adall	4,3,2,1,101 + somet receiver her hours checken bit
internet is into it 4,3,2,1	4,2,2,1,10 -> knows checkam but
120100	CHECEUM MI
4,3,2,1 -> 4,×	1,2,1,-10 -> add all at
Great block added by is complement	general's end
4 takes 14 complement of sum - charles	0 > correct @ MAXI