3.2.3.

A 1024- Sit message with 992 data sits and 32 CRC bits solver TEEE 802 (RC-82 (x32+x26+x23+x22+x16+x12+x11+x10+x8+x7+x5+x4+x2+x+1) Explain if these errors will be dehected:

- a) Single-bit error
- 6) Two isolahed bit ever
- c) 18 isolated bit emos
- d) ht isolated bit errors
- e) 24-bit burst error
- f) 35-bit burst error.
- a) Eaught, since C(x) includes +1
- b) Caught, since C(x) has 73 terms
- c) Not caught Not caught

 1) County since 17 is odd and (1x) mod (x+1) = 0 d) family since
- e) Caught, since 24 < 82 bust to aught
- f) cought, rince 35 is odd .. Not caught

3.2.4 Criven the word and the disirer 10100111 and the divisor 10111, show the CRC generator at sender.

1011111001111000 111101 10000 11100 10110 11000

1000 1110010 oj = xT