LAB 13

MA 22	Page No. Date
	write a program for orror delecting cade using CRC ce ITT (16-5,145)
	#Include < String . n) # Unclude < String . n) # depine N streen (gentley)
	char dates [30]; char check value [3.0]; char play [10]; int data - longto 1, 1
	Void to R Rol (j =1', j cN', v'tt) Chack value [v'] = ((check value [j']: 2 play [j'] 2 'o': 1, i))
	Voi'd recover () Extension (" Extension data:")
	Scamp ("gos" that or) print ("Data secement: 905" data) Cre ()
	bot (i = 0) (12N-1)2 (10) 2 (11) 3 i++)

Page No. print (" Enter detected n" m No order detected mit (=0) (< N) (++) data [i] check value [i] = check value YOR j < N-1 J++ check value [si] = Check - Value Cin check value (i)] = data (i++J) while (i < data longton +N+1) - main () ("In Enter data to be famini +001 11) (" dos" data C" In Enter the dow's of polyne Scanla (nojo 5 11 data - longth = 15+8 (data) '< data longth + N-1;

Page No. dat a [i]=0 print6 (in m)? n-1 zero s: Pater padded with n CRC 12 due 105 1051 Check - value) (1'= data-lengths, i < data-length N-1,1+7) Ci] - (he ck_valu i - data nfin al dataworker to be receives (1) notun Enter data to be transmitted: 101010 Enter the dulisor polynomial:1011 Voda padded with n-1 2005'.101010 CRC value US: 601 Final codewosutor be sent! 101010001 Enter the trecolned data : 1000 1000 Etyor delected Enter data to be transmita. Enter the deluisor polynomical: 1001 100

Date 1 ata padaled with n 1 20901 alue 15 ,001 I code word to be sent. the received data: