C)	9	How many data elements are carried by each signal element? How many signal elements do we need?	5
	ii)	Define with comparison of bit rate and band rate.	5
		UNIT-III	
a)	De	fine switching ? Compare different switching techniques.	10
b)	Ex	plain with neat diagram FDM.	10
c)	Exp	plain the following with neat diagram.	10
	i)	Time slot and frames.	
	, ii)	Interleaving.	
		UNIT-IVO	
a)	1)	Calculate CRC check sum for the message polynomial $G(x) = x^5 + x^2$	
		with generator polynomial $P(x) = x^3 + x^2 + 1$	5
	11)	Explain CRC and check sum.	5
b)	W	hat do you mean by flow control ? What are techniques used for flow ntrol ? Explain any one in detail.	10
c)	W	hat are the different types of errors? How error correction can be done?	10
		UNIT-V	
a)	W	that do you mean by control access ? Explain FDMA in detail.	10
bl	E	xplain CSMA/CD with neat diagram.	10
6)	V	that are different network connecting devices used ? State function of each.	10
	a) b) c) a) b) c)	a) De EX () (i) (i) (i) (i) (i) (i) (ii) (ii) (	How many data elements are carried by each signal element? How many signal elements do we need?  ii) Define with comparison of bit rate and band rate.  UNIT - III  a) Define switching? Compare different switching techniques.  b) Explain with neat diagram FDM.  c) Explain the following with neat diagram.  i) Time slot and frames.  ii) Interleaving.  UNIT - IV  a) i) Calculate CRC check sum for the message polynomial $G(x) = x^5 + x^2$ with generator polynomial, $P(x) = x^3 + x^2 + 1$ ii) Explain CRC and check sum.  b) What do you mean by flow control? What are techniques used for flow control? Explain any one in detail.  c) What are the different types of errors? How error correction can be done?  UNIT - V  a) What do you mean by control access? Explain FDMA in detail.

S.E.Comp. (Sem - Li)