Date - 02/03/21 Name Mohd, Manzar Ighal Cch. No:- 192120017 Sem- IV Midtern Exam MCA-622 computer Network Adding the 4-bit words yields (0.3) (A)1001 4 1100 +1010 + 0011 = 100010. The vary is added to the LSBs. 0100. The one's complement value is then 1011, which is checksum. Adding the data and checksum yields 1001+ 1100+ 1010+0011+ 1011= 101101 which gives IIII (carry) and thus (0000) negation (Q.4) MAC adolress IP address (1) MAC Address stands (2) IP address stands for for Media Access control Internet protocol address (2) It ensures that physical (2) It address is a logical address of computer is address of the computer address of the computer and is used to uniquely locate computer connecte 5) It is a six byte heradecemal number (3) It is of 9 byte or

Cicuit	Switching

## Packet switching

In would switching each
In wicuit switching, each
entire path adolper which
is provided by the source
1

(1) Each data unit just know the final destination address intermediate path is decided by the louters

plesonsce reservation is the feature of circuit switching because path is fixed for deta transmission

(2) There is no sesonsce reservation because bandwidth is shared armong users.

## TDM

## FDM

(1) TDM stands for time (1) stands for frequency division multiplexing division multiplexing

1) TDM works with digital (2) while FDM works with signals as well as analog only analog signals.

Bandwidth

## Band Rate

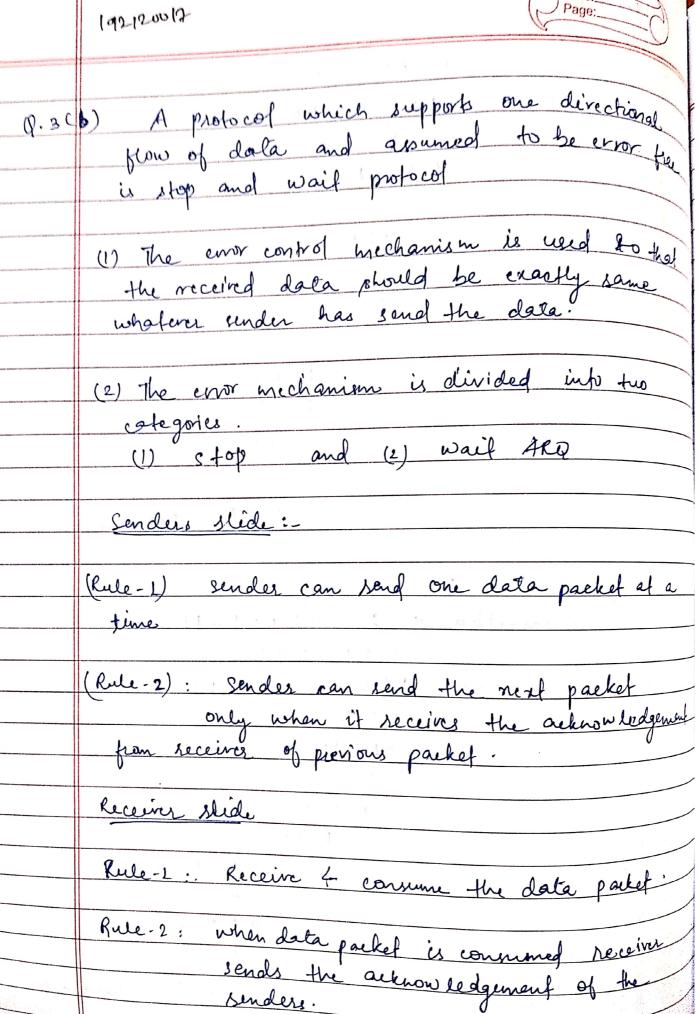
Bandwidth of a digital signal is the number of bits transmitted per second

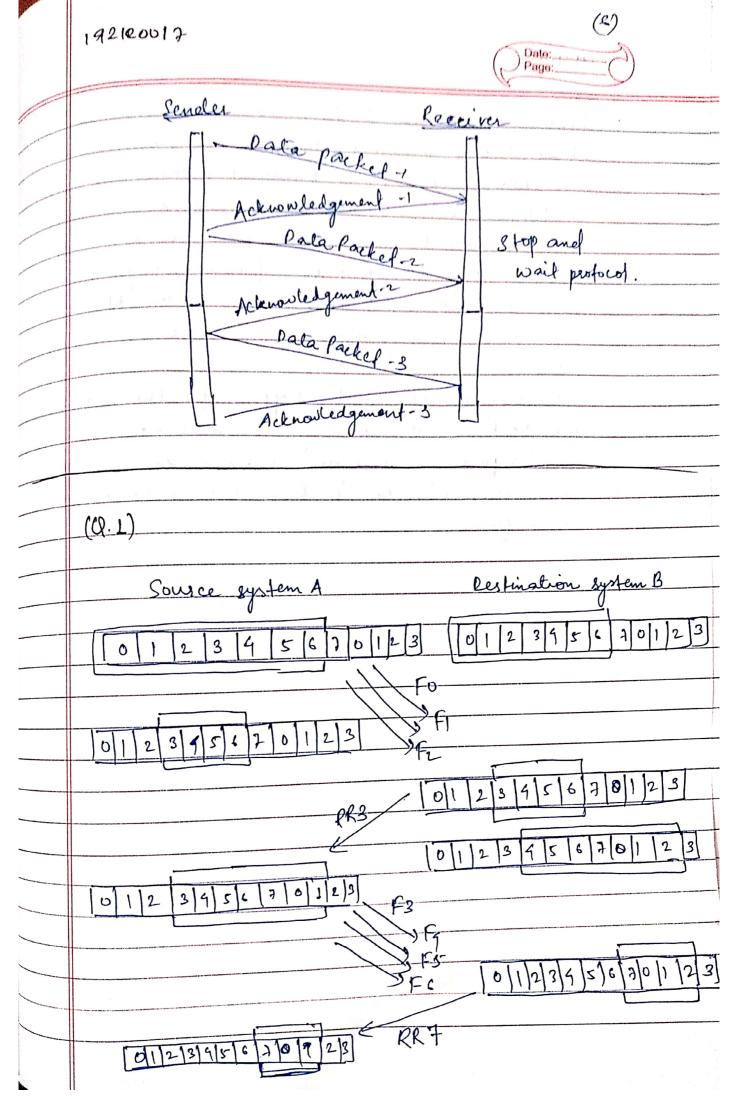
number of signalling elements transmitted per second.

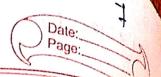
	(92/2007	
	100BASE-TY.	
(1)	It uses 4 pairs of (1) It uses two pairs of category 3 unshielded category 5 unshielded	
	tuisted pair wires, turisted-pair cables with	
	impedance of low M.	
	distance is 100 meters. The manineum o frame.	
	nith morinum diameter distance is 100 metro	
_	of the network: 200 M.	
/4 4		
r	$x^4 + x^3 + x$	
(0.2)	$x^3$ $\downarrow$ $x^7 + x^6 + x^3 + 1$	
	x <sup>1</sup> + x <sup>4</sup>	
	2 +2 +2 3 +1	
	x 6+ x3	
	x4+1	
<u> </u>	24 + 2	
4	2+1	
D 11-31		
	$M(y) = x^{7} + x^{6} + x^{3} + 1$	
	$G(x) = x^3 + 1$	
	$G(x) = 1 \cdot x^3 + 0 \cdot x^2 + 0 \cdot x^2 + 1 \cdot x^2$	
	G(x) = Lool	
	and the second s	
14 21	M(x) = x7+x1+x3+1	
	2 1. x2 + 1.x6 + 0.25 + 0.79 + q.x3 + 0.92 + 0.2	
	Senders.	
	MCA) = 11001001	
Banking Server		

No error occurs

0000 A Remainder







	14420013
	Initially A and B have windows including that I may transmit seven frames, beginning
	that I may transmit seven frames, beginning
	The state of the s
	that A may transmil four frames, beginning
	that A may transmil four frames, beginning with frame no. 3. B then transmit an RR3
	(received ready frame 3) to seceive frame
	number.
	To provide efficient support for this requirement
	piggibacking is typically the fechinque of
	less prossily delaying getenowledgement to
	that they can be hocked onto next outgoing
	data frame.
	V
	a a a a day
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- 1	
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