11. A Sliding window protocol of a 4 Mbps point-to-point link has a propagation delay of 0.5 sec. Assume that each frame carries 2KB of data. What is the minimum no. of bits used for the sequence number field?		
(A) 10	(B) 9	
(C) 12	(D) 8	
•	y Protocol has a bandwidth of 10Mbps with a ta if the distance between the sender and receiver 3 x 10 ⁸ m/sec? Given utilisation is 0.5	
(A 2048 bytes	(B) 3015 bytes	
(C) 4096 bytes	(D) 3072 bytes	
13. A broadcast channel has ten nodes and a total capacity of 16Mbps. It uses polling for medium access. Once a node finishes transmission, there is a polling delay of 100 μ seconds to poll the next node. Whenever a node is polled, it is allowed to transmit a maximum of 1500 Bytes. The maximum throughput of the broadcast channel is:		
(A) 8 Mbps	(B) 14 Mbps	
(C) 100/11Mbps	(D) 750/85 Mbps	
window (window size 4) and go-back-N elimmediately available for transmission. I	nsisting of 15 packets to station 'B' using a sliding rror control strategy. All packets are ready and f every 6 th packet that 'A' transmits gets lost (but at is the number of packets that 'A' will transmit	
(A) 29	(B) 33	
(A) 27 (C) 27	(D) 25	
	perating at 1 Gbps, and suppose there are no m. Determine the minimum frame size if the s.	
A. 10000 bits	B. 20000 bits	
C. 1000 bits	D. 2000 bits	
window protocol. The round trip delay be	ansmit messages to station 'B' using a sliding etween A and B is 80 milliseconds, and the n 'A' and 'B' is 128 Kbps. What is the sender	

window size for maximum efficiency?-----

receiver's window size is 'M'. The minimum number of sequence numbers (distinct) required to ensure correct operation of the ARQ scheme is:		
(A) Min (M, N) (C) M + N	(B) Max (M, N) (D) M * N	
"Selective Repeat" scheme with	a propagation delay of 400 ms. The tran h N set to 8. Assume each frame is 100 By cation? (where N is window size)	
(A) 5 KBps	(B) 7.7 Kbps	
(C) 15 Kbps	(D) 10 Kbps	
should be:	channel efficiency of at least 75%, the n	mmmum irame size
(A) 480 Bytes	(B) 480 bits	
(C) 160 Bytes	(D) 160 bits	
20. In the Go-Back-N protocol, sequence number?	, if the maximum window size is 127, wha	t is the range of the
(a) 0 to 127	(b) 0 to 128	
(c) 1 to 127	(d) 1 to 128	

17. In a sliding window ARQ scheme, the transmitter's window size is 'N', and the