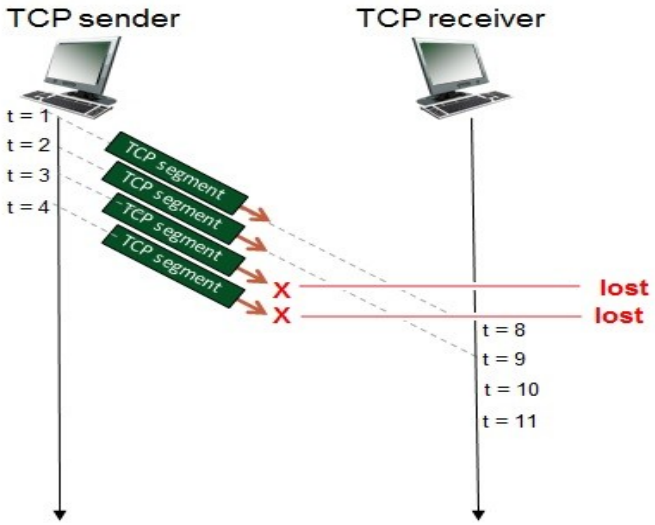
CS-307 Computer Networks **14th November 2018**
QUIZ Duration: 20 Minutes
Section – A
Registration Number: _____

1. Consider the figure below in which TCP a sender and receiver communicate over a connection in which the sender-to-receiver segments may be lost. The TCP sender sends initial window of four segments at t=1,2,3,4, respectively. Suppose the initial value of the sender-to-receiver sequence number is 96 and the first four segments *each* contain 566 bytes. The delay between the sender and the receiver is 7 time units, and so the first segment arrives at the receiver at t=8. As shown in the figure, two of the four segment(s) are lost between the sender and the receiver.



List the sequence of acknowledgements transmitted by the TCP receiver in response to the receipt of the segments actually received.

Sender-to-Receiver	Time Segment Sent	Sender-to-Receiver segment sequence value
Segment 1	**1**	**96**
Segment 2	**2**	**662**
Segment 3	**3**	**1228**
Segment 4	**4**	**1794**