MC questions for Unit 9

Question 1			
Which of the following is a data link layer function?			
Framing			
Error and flow control			
Medium access control			
• All of the above			
Question 2			
In the PPP frame, the field defines the contents of the data field.			
C flag			
control			
• protocol			
Check			
Question 3			
A sequence of bytes received after byte stuffing using the PPP byte stuffing scheme is: 10 20 7D 5E 30 5E 7D 5D. What is the unstuffed sequence?			
• 10 20 7E 30 5E 7D			
10 20 7E 7E 5D			
10 20 30			
10 20 5E 30 5E 5D			

Question 4 A bit stuffed string received from the network is 1110111110. What is the string after any stuffing is removed? 11111111 111011111 1110111110 11101111100 **Question 5** Check all statements that are TRUE regarding stop-and-wait ARQ The timeout protects against lost frames and lost ACKs The sender advances to the next frame only after the ACK for the current frame is *received*. Both frames and ACKs must carry sequence numbers. The sender advances to the next frame only after the ACK for the current frame is *sent*. **Question 6** What is the highest throughput for stop-and-wait ARQ sending messages of 10,000 bits over a 1 Mbps satellite link with a (one-way) propagation delay of 100 ms? Give your answer to 2 significant figures. 50 kbps 48 kbps 45 kbps 91 kbps **Question 7**

In the Go-Back-N protocol, if timeout of packet n occurs, what will the sender do?			
It will transmit packet n.			
It will transmit packet n+1.			
It will transmit packets n, n+1, n+2 in the sender window.			
C It does nothing.			
Question 8			
A Bluetooth piconet consists of primary device(s) and up to secondary			
devices.			
one; five			
five; three			
two; six			
• one; seven			
Question 9			
In Bluetooth, the link is used when avoiding latency (delay in data delivery) is more			
important than integrity (error-free delivery).			
• sco			
° ACO			
° ACL			
° _{SCL}			
Question 10			
In Bluetooth, the link is used when data integrity is more important than avoiding delay.			

0	SCO	
O	ACO	
•	ACL	
0	SCL	