- Q1 : True, when connection begins, increase rate exponentially, start cwnd = 1 Mss, double after every Rtt
- Q2: True, After the ssthresh is reached, the window size is increased by 1 to control congestion
- Q3: True, it might time out quicker than expected
- Q4: False, after a timeout the cwnd is reset back to 1 and starts up again
- Q5: Triple Dupe ACK, because it loses half of cwd
- Q6: No, it may indicate a packet loss but not for each time
- Q7: Time Out, cwnd is reset back to 1
- Q8: No, it may indicate a packet loss but not for each time, but may also indicate corruption, congestion or re-ordering
- Q9:More, more outstanding segments may lead to a quicker timeout
- Q10: Because slow start takes the Cwnd and adds the amount acknowledged so it ends up doubling each time like 1-2-4-8-16 etc, so it makes a non linear curve. This gives a better speed and more packets transferred than a linear pattern would.
- Q12: 400ms gone up by 1-2-4-8(ssthresh)
- Q13: 1200ms, c(4000) linear line so + 1 each time up to D(16000) because ssthresh is halved, so at 4k now, so 16k-4k = 12k->1200ms
- Q14: 600ms -> 1-2-4-8(ssthresh)-(+1)9-(+1)10 up 6 times
- Q15: Point B is lower as it is exponentially growing while point D is growing with congestion avoidance so it is linear and can go up by 1000 bytes each interval rather than going from 8k to 16k immediately