QUIZ #3 GRADING GUIDELINES

Question 1:

Item (a): If they give the equation, either in math or in text, give them the point. If they just say A-LSR-DLSR, they need to define A; if they don't, only give 0.5 points.

Item (b): One point for identifying the fraction lost and the cumulative number of packets lost. They don't need to identify the jitter. If they only identify one of the two, take 0.5 points off. One point for indicating that the sender would drop data rate in response to packet loss.

Question 2:

Item (a): To get the whole point, they just need to indicate that RTP is incomplete to adapt to future multimedia needs. Less than that, use your best judgement.

Item (b): Give them full marks if they point out that, in video, a frame will spread over multiple packets and these all get the same timestamp. Less than that, use your best judgement.

Item (c): One point for indicating the FEC is used to recover lost packets, one point for indicating that this is useful in case of congestion. Give the full two points to any student that indicates that this is useful in multicast environments where some parts of the network are congested while others aren't.

Question 3:

Item (a): one point for at least one advantage in each side.

Item (b): use best judgement. I can't think of partial credit here.

Item (c): one point for saying how to determine ***n***, one point for establishing the purpose of the equation.

Question 4:

This question is basically two "free" points. They get the points by saying that the other protocols do not include server control. Use best judgement on partial credit. I expect most people to get this.

Question 5:

Item (a): 0.5 points for endpoint location, 0.5 points for admission request. This is the minimum they need to do.

Item (b): 1 point for saying call setup.

Item (c): 0.5 points for capabilities exchange, 0.5 points for opening the logical channels.

Item (d): 1 point for saying "media" or equivalent.

Take 0.5 points off for anything that is misplaced.

Question 6:

Item (a): I am looking for call establishment latency as the answer. One point for that, or anything equivalent. Use best judgement otherwise.

Item (b): 1.5 points for indicating that it is done by skipping the H.245 negotiation; 0.5 points for saying that the destination can start sending as soon as it receives the request, if it is prepared to accept it. Best judgement otherwise.

Question 7:

One point for each of the following: efficiency as a reason for large packets; latency as a reason for small packets; correct recommendation for size. Take 0.5 points off if they forget loss susceptibility.

Bonus Question:

Two points for indicating that the tree is for reliable, in-order delivery (1 point each); two points for the topology discussion. Use best judgement otherwise.