QUIZ #2 GRADING GUIDELINES

Question 1:

Item (a): one point for each definition. The student is not required to give the exact mathematical definition to get the point; the idea in the first sentence would suffice for each item.

Item (b): to get full marks, they need to indicate that smoothing is not possible and that the two kinds of traffic are incompatible.

Question 2:

Two points for point out the need (multicast is treated as unicast is the basic idea, give the two points if they express it) and two points for the example. Make sure that the example is relevant. Partial credit for examples that are not completely relevant to the question (use your best judgement here).

Question 3:

To get full marks, they need to indicate that the channel is isochronous and uses TDM. Take one point off if they don't indicate this.

Question 4:

Give two points for each of the two advantages they point out. Note: people may indicate that different reservation styles are RSVP advantages. They are indeed, but they do not stem from the fact that the reservation is receiver-driven. You could do the same on a sender-driven case, so do not accept this as a valid answer.

Question 5:

For each media type, 1 point for selecting the right reservation style, and 1 point for justifying. In the case of audio, they may propose a shared-explicit reservation. This is really not appropriate, since the receivers can get all the audio streams and that would be best for the conference, but strictly speaking is not wrong. Nevertheless, take one point off if they do this.

Question 6:

The answer has four individual parts, two per technique: (1) which area it simplifies, and (2) how it simplifies. One point for each of these four.

Question 7:

Note that I am not asking for a definition, I am asking for how a receiver would use the fields. For (a) and (c), use your best judgement on partial credit. For (b), assign one point for "detecting packet loss" and one point for "detecting out of order packets".

Bonus Question:

You will have to evaluate the scenario and assign partial credit based on your best judgement. The basic conclusion here is that RED is detrimental to non-TCP traffic that reacts to loss in a different manner; if

you can see that they understood this but couldn't construct the scenario properly, give 2 points. Give 4 points only if the scenario is appropriate.