Informal Quiz 6

T F

❏ ❏ Video is different from data only because it requires larger bandwidth

❏ ❏ One reason TCP is not suitable for video is because it can't handle multicast

❏ ❏ RTP provides useful transport functions for multimedia applications, but the internet service enhancement is provided by RSVP, integrated services and differentiated services

❏ ❏ A delay guarantee can be provided by combining a leaky bucket at the edge, with weighted fair queueing at the routers

❏ ❏ RSVP is a reservation-based routing protocol

❏ ❏ Differentiated services would provide better-than-best-effort service (where $$ define QoS) in a scalable manner.

Shivkumar Kalyanaraman

T F   **Informal Quiz 6 (contd)**

❏ ❏ Aggegatable global unicast addresses in IPv6 allow better routing because aggregation is based on topology defined by providers and not geographic or political boundaries

❏ ❏ Link local addresses, multicast and neighbor discovery are key components in IPv6 which allow plug-and-play.

❏ ❏ Flow classification (based on IP addresses and port numbers) cannot be done when the authentication header is used, but can be done when the payload is encapsulated (ESP is used).

❏ ❏ The scope of the multicast is not a part of the IPv6 address.

Shivkumar Kalyanaraman

Informal Quiz 6: solutions

T F

☐ √ Video is different from data only because it requires larger bandwidth

√ ☐ One reason TCP is not suitable for video is because it cannot handle multicast

√ ☐ RTP provides useful transport functions for multimedia applications, but the internet service enhancement is provided by RSVP, integrated services and differentiated services

√ ☐ A delay guarantee can be provided by combining a leaky bucket at the edge, with weighted fair queueing at the routers

☐ √ RSVP is a reservation-based routing protocol

√ ☐ Differentiated services would provide better-than-best-effort service (where $$ define QoS) in a scalable manner.

Informal Quiz 6 solns (contd)

T F

√ ❏ Aggegatable global unicast addresses in IPv6 allow better routing because aggregation is based on topology defined by providers and not geographic or political boundaries

√ ❏ Link local addresses, multicast and neighbor discovery are key components in IPv6 which allow plug-and-play.

❏ √ Flow classification (based on IP addresses and port numbers) cannot be done when the authentication header is used, but can be done when the payload is encapsulated (ESP is used).

❏ √ The scope of the multicast is not a part of the IPv6 address.