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.

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IQ6-1
Informal Quiz 6 (contd)

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- Aggregatable 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 key problem in IP for mobility is that the IP address is overloaded: it is used to denote an endpoint; it is also used to route the packet.
- The scope of the multicast is not a part of the IPv6 address.
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
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Informal Quiz 6 solns (contd)

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