SSY 150, lecture-5 (Transport Compressed Multimedia Data) quiz questions 2020-04-23

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1.	What are the main differences between TCP/IP model Complete different model network layer becomes internet layer	· ·	ommunication model? ation + session layers into 1 layer
2.	Why do we need IP protocols? Set rules for people set rules for network	s Set network	hierarchy Others (specify)
3.	For real time transporting compressed video, which I		r? Others (specify)
4.	For video-streaming, which protocol(s) is better? TCP UDP TCP +IP	⊠ _{UDP+IP} □	Others (specify)
5.	For packet network, does Shannon's separate source and channel coding principle hold, why? \square yes, it holds \bowtie no, due to lack channel information \bowtie no, due to finite block size \square others (specify)		
6.	According to the theory for erasure networks, applying matrix interleaver can influence the received packet loss errors, with the following reason(s) no, no influence yes, always reduces packet loss Others (specify)		
7.	According to the theory for additive Gaussian white noise channel, applying matrix interleaver could influence the received symbol errors and due to the reason no, no influence yes, reduced packet loss Others (specify)		
8.	Which parameters in source compression/ encoder r channel coding rate k/n inter motion compensation packet size	may influence the e	nd-to-end performance? Others (specify)
9.	Which approaches are useful to protect the packet loss source encoding channel encoding unequal error protection matrix interlear	ng netwo	rk modeling (specify)
10.	How would one know that a network is congested? end-to-end delay delay jitter increas	ed packet losses	Others (specify)
11.	If a source word contains 11 symbols, and 5 parity sy (a) How many symbol errors can be corrected by the $\begin{array}{ c c c c c c c c c c c c c c c c c c c$	above RS codes?	y the RS codes, ² ☑ others (specify) □ others (specify)
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Thank for participating the quiz, hope it was fun to you!