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# Quiz questions

**Q1.** Packet switching, instead of circuit switching, is generally used to transfer data in the Internet. True or false?

**Q2.** Propagation delay depends on the size of the packet. True or false?

**Q3.** Which of the following delays is significantly affected by the load in the network?

A. Processing delay

B. Queuing delay

C. Transmission delay

D. Propagation delay

**Q4.** Consider a packet that has just arrived at a router. What is the correct order of the delays encountered by the packet until it reaches the next-hop router?

A. Transmission, processing, propagation, queuing

B. Propagation, processing, transmission, queuing

C. Processing, queuing, transmission, propagation

D. Queuing, processing, propagation, transmission

**Q5.** As an application developer, what measure would you take to reduce the total delay involved in transferring image files across the Internet? Hint: You do not have control on the core of the network i.e., route taken, bandwidth etc.

**Q6.** Is it possible to increase the upstream data rate while using ADSL? If yes how?

Resource created 2 months ago (Wednesday 04 September 2019, 06:45:29 PM), last modified about a month ago (Wednesday 11 September 2019, 02:41:16 PM).

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Nadeem Ahmed (/users/z3003139) 24 days ago (Thu Sep 26 2019 10:42:51 GMT+1000 (澳大利亚东部标准时间))

Answers to the Quiz questions follows:

Q1. True. This is one of the design principle.

Q2. False: recall the formula  $D/S$ .

Q3. B. Queuing delay.

Q4. C.

Q5. Note the keywords in the question: "As an application developer" and "transferring image files". Image compression would reduce the size of the image being transferred and can be handled by the application developer.

Q6. Frequency re-allocation for ADSL upstream and downstream data would work (to some extent). Read a little about ADSL Annex A and Annex M standards. Note that although all of the decent ADSL modems do support Annex M, it is necessary that the corresponding Annex M is supported by your ISP to negotiate the use of this altered bandwidth allocation.

Reply



Xianlei Wang (/users/z5182667) 23 days ago (Fri Sep 27 2019 13:44:26 GMT+1000 (澳大利亚东部标准时间))

Can you make it always top, so we can know it is the Authoritative answer

Reply



Sen Zhang (/users/z5218829) 25 days ago (Wed Sep 25 2019 12:06:14 GMT+1000 (澳大利亚东部标准时间))

1. True

2. False

3. B

4. C

Reply



Lachlan Chow (/users/z5164192) 27 days ago (Mon Sep 23 2019 19:01:30 GMT+1000 (澳大利亚东部标准时间))

1. True

2. False

3. B

4. C

5. Make the file as small as possible

6. Yes, increase the range of frequencies used for upstream and sacrifice the range for downstream

Reply



Jiahui Luo (/users/z5158415) 27 days ago (Mon Sep 23 2019 12:59:46 GMT+1000 (澳大利亚东部标准时间))

1. True

2. False

3. B

4. C

Reply