Questions: first week reading quiz

11 Existing Questions - 7 total points

Add Part | Add Question: select a question type

Part 1 Default - 11 questions Copy to Pool | Edit

Question 1 Single Correct - 1.0 point
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According to the Appendix from Blown to Bits about the Internet as System and Spirit which of the following is NOT mentioned by the authors as a characteristic of the Internet in the first paragraph of the reading.

- A. The Internet is a System, a delivery service for bits.
- B. The Internet is NOT a bunch of wires and cables.
- C. The Internet is the most transformative technology since the printing press.
- D. The Internet can be used for many different purposes.

Answer Key: C

Insert New Question select a question type

Question 2 Single Correct - 1.0 point
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Which ONE of the following is NOT identified by the authors of Blown to Bits as an important design criteria in creating the Internet in its early years.

- A. The designers of the Internet were limited by the laws of physics as well as the laws of government.
- B. The designers found a way to avoid limiting the size of messages on the Internet.
- C. The designers found a way to make the capacity of the network a limiting aspect rather than the number of computers/devices on the Internet.
- D. The designers created a packet-switched network to achieve their goals.

Answer Key: A

Insert New Question select a question type

Question 3 Single Correct - 1.0 point
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Which of the following is the best definition of what the authors of Blown to Bits term the core of the Internet?

- A. The protocols that ensure the Internet works properly.
- B. All the connectivity that makes the Internet a network.
- C. The end-user computers that send and receive messages on the Internet.
- D. The design principles that were used in creating the Internet.

Answer Key: B

Insert New Question select a question type
The authors indicate that there are currently about 4 billion Internet Protocol (IP) addresses, which might not be enough in the very near future. They mention a project to create a new version of IP addresses. Which of the following is the number of bits used in the new addressing scheme (there were 32 bits in the original IP addressing scheme).

- A. 64
- B. 128
- C. 256
- D. 512

Answer Key: B

Select all of the sites that were part of the original ARPAnet/Internet in 1974 (see map on page 304 of Blown to Bits).

- A. CMU (Carnegie Mellon University)
- B. Stanford
- C. Berkeley
- D. University of Utah

Answer Key: A,B,D

True or False: routers know about domain names, e.g., verizon.com or duke.edu

- True
- False

Answer Key: False

The authors of Blown to Bits identify several aspects of the Internet as important to its success. Which of the following is NOT identified as one of these aspects by the authors?

- A. The universality of IP (Internet Protocol) and its many uses argue against proposals to re-engineer the Internet.
- B. The social structure in which protocols evolved has prevented special interests from gaining too much power or building pet features into the Internet.
- C. The ubiquity and universality of the wireless Internet demands a new set of design principles in creating open standards.
- D. The IETF (Internet Engineering Task Force) makes decisions by rough consensus, even having members hum at meetings to indicate agreement.

Answer Key: C

NAT, or Network Address Translation, uses a few bits called a "port" number to identify computers in a private network (like in your house if you share an Internet connection among multiple machines).

- True
- False

Answer Key: True
According to the authors, which one of the following is NOT true about protocols used on the Internet.

- A. ISP is the Internet Sending Protocol, used to determine how to send bits across the Internet.
- B. TCP is a high-level protocol that ensures that if bits arrive at a destination they're a perfect duplicate of the bits that were sent.
- C. UDP is a high-level protocol used for streaming video or voice-over-IP (VoIP) when dropping a few bits is ok.
- D. IP, the Internet Protocol, can be used on copper wire, radio signals, fiber optic cable, or any other medium.

Answer Key: A

The authors compare current debates on net-neutrality to an era in the early times of using a telegraph when freedom of the press existed in theory, but not in practice.

- True
- False

Answer Key: True