

Review Questions

Concepts

- When access to the Internet is unequal based on geographic or socioeconomic reasons, it's referred to as the:
 - Internet divide
 - Wealthy divide
 - Distance divide
 - Digital divide
- What is an example of sharing images and allowing individuals to scan them for certain features?
 - Heuristics
 - Moore's law
 - Citizen science
 - Contaminated research
- What is the name for programming code that is available to anyone to use or modify?
 - Licensed software
 - Open-source software
 - Compiled software
 - Open access software
- What has Creative Commons provided?
 - Free use of other people's work
 - Ways to share other people's creations without their knowledge
 - Licensing options by the owners of artifacts
 - Cooperative copyright arbitration
- The ability to retrieve previously published data and research rather than each organization paying for or collecting their own data to analyze is an example of?
 - Creative Commons licensing
 - Free access rights
 - Open access
 - Open source
- People trading personal information for perks from companies is an example of which of the following?
 - The use of proxy servers
 - Privacy concerns
 - Legal issues
 - Authentication exposure
- What is the term for showing someone information based on their prior searches and purchases?
 - Targeting advertising
 - Open-source marketing
 - Open access marketing
 - Aggregation of data
- Granting access after clearing at least two steps of authentication, such as a password and code sent to your cell phone is called
 - compound authentication
 - complex authentication
 - frequency analysis authentication
 - multifactor authentication
- What is one way that does NOT prevent password-cracking programs from easily identifying your password?
 - Using a mixture of upper and lowercase letters
 - Using special characters as part of your password
 - Making it easy to remember so you do not have to write it down
 - Using former pet names that hackers could never know
- Using social engineering to trick users into providing their personal information is called
 - keylogging
 - phishing
 - pharming
 - spearfishing

Application of Concepts

- Schools that provide each student with a computing device for school and home use but that do not ensure all students have equally reliable and fast Internet access are contributing to the
 - digital divide
 - equity influence issue
 - Internet gap
 - preference issues

12. Many forms, digital or paper based for digital storage later, that collect personal information do not include responses for all ethnicities. This is an example of
- (A) bias
 - (B) partiality
 - (C) subjectivity
 - (D) predisposition
13. Using an app to notify many people about child abductions, such as an Amber alert, is an example of
- (A) compliance
 - (B) consensus building
 - (C) crowdsourcing
 - (D) open sourcing
14. A business's website tracks items that are viewed by visitors to its site. Which question cannot be answered by tracking this data?
- (A) Which items will sell during each season in different parts of the world
 - (B) The trending colors that could be popular in the next year
 - (C) The income range of prospective customers
 - (D) How many of each item to produce
15. Which of the following is an example of plagiarism?
- 1. Writing about an idea you read about
 - 2. Making minor changes to wording in a paragraph
 - 3. Retyping text rather than copying and pasting it into a document
- (A) 1 and 2
 - (B) 1 and 3
 - (C) 2 and 3
 - (D) All of the above
16. What is a symmetric key used for?
- (A) Sending and receiving information from the Web
 - (B) Encrypting data
 - (C) Decrypting data
 - (D) Encrypting and decrypting data
17. Cryptography today uses which of the following?
- (A) Published algorithms available to all
 - (B) Algorithms known by only a few members of the IETF governing organization
 - (C) The Caesar Cipher
 - (D) Undecidable algorithms
18. Computer viruses can replicate after infecting a computer. How are they transmitted?
- (A) By attaching to a valid program or file
 - (B) By visiting a website that is infected
 - (C) By clicking on a link that takes you to a counterfeit website designed to look like a legitimate one
 - (D) By being on the same network as an infected device

> Answers and Explanations