Hashing and Digital Signatures

Sample heading replace with your information Amanda Success (Period 9) Monday December 25, 2023 Seat 99 (Grade level 13) Cyber Fundamentals

1. The term cryptography comes from the Greek words kryptos, meaning, and graphein,
meaning A. a crypt, to graph
B. studying, coordinate planes
C. a secret, to study
D. Caesar tries, to plot a graph
D. Gaesar tries, to plot a graph
Answer:
2. What is the definition of cryptography?
A. The process of assigning a code to something for the purposes of classification or
identification
B. The art or study of solving/cracking encryptions without be told the key
C. The set of instructions forming a computer program
D. The practice and study of writing or solving codes
Answer:
3. What is the name of the cipher where each letter is shifted?
A. Caesar Cipher
B. Transfer Cipher
C. Shift Switch
D. Oil and Vinegar
Answer:
4. The term enuntanalysis comes from the Greek words knypts and analoin, meaning
 The term cryptanalysis comes from the Greek words krypts and analein, meaning A. to analyze
B. to loosen
C. aniline
D. to scramble
D. to scramble
Answer:
5. Encrypt is to, as decrypt is to
A. scramble, jumble
B. clarify, reduce
C. convert, unconvert
D. shorten, streamline
Answer:

Hashing and Digital Signatures

6. What is the definition of plaintext? A. Writing using boring language B. Text written using Times New Roman font C. A message to be encrypted D. The encrypted data Answer: ____ 7. What is the definition of ciphertext? A. Writing using boring language B. Text written using Times New Roman font C. A message to be encrypted D. The encrypted data Answer: 8. Why are one-way keys given their name? A. There is no way to reverse the decryption B. There is no way to reverse the encryption C. There is no way to reverse the plaintext D. There is no way to reverse the ciphertext Answer: 9. What is the name of a common key exchange method? A. Diffie-Hellman B. Dixie-Helmuth C. Diddly-Heinz D. Dipsy-Horton Answer: _____ 10. Which of the following are famous ciphers? (Select three) A. Pigpen Cipher B. Krypton Shift C. Enigma D. Alpha Beta Cipher E. Scyther Cipher F. Balanced Oil and Vinegar Answer: 11. In the world of cryptography, what is a hash? A. Humans Against Society and Homework B. Hard and Soft Hackers C. An encryption requiring both a private and a public key to be able to send information back and forth D. A one-way encryption that converts any form of data into a unique string of text

Answer:

Hashing and Digital Signatures

A. There is a limit to the size of data that can be hashed
B. There is a minimum to the size of data that can be hashedC. Only certain types of data can be hashedD. None of the above
Answer:
 13. Which of the following is NOT a use of hashing in cryptography? A. Digital signatures B. Cryptocurrency C. Pirating D. Storing passwords
Answer:
 14. Which of the following is NOT a type of hash function? A. SHA B. MD5 C. MI6 D. None of the above
Answer:
 15. What is the term given if two different passwords have the same hash? A. Conflict B. Vape Buddies C. Collision D. Trick question, two different passwords will never have the same hash.
Answer:
 16. What is the name of the technique of adding random data to a password before hashing it and then storing the new value with the hash is called? A. Salting B. Freezing C. Appending D. Attaching
Answer:
17. An is a random number used with a secret key to encrypt data. A. extension encryptilator B. initialization vector C. invisible generator D. encryption enhancer
Answer: