

212-81^{Q&As}

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QUESTION 1

The most widely used asymmetric encryption algorithm is what?

- A. Vigenere
- B. Caesar Cipher
- C. RSA
- D. DES

Correct Answer: C

RSA The RSA encryption algorithm is one of the most widely used public key encryption algorithms that have ever been invented. It was created by the three scientists Ronald Rivest, Adi Shamir, and Leonard Adleman in 1977, and today it is increasingly being used in the network area.

QUESTION 2

What size block does AES work on?

- A. 64
- B. 128
- C. 192
- D. 256

Correct Answer: B

https://en.wikipedia.org/wiki/Advanced_Encryption_Standard Rijndael is a family of ciphers with different key and block sizes. For AES, NIST selected three members of the Rijndael family, each with a block size of 128 bits, but three different key lengths: 128, 192 and 256 bits.

QUESTION 3

Which of the following statements is most true regarding binary operations and encryption?

- A. They can provide secure encryption
- B. They are only useful as a teaching method
- C. They can form a part of viable encryption methods
- D. They are completely useless

Correct Answer: C

They can form a part of viable encryption methods for example - https://en.wikipedia.org/wiki/XOR_cipher The XOR

operator is extremely common as a component in more complex ciphers. By itself, using a constant repeating key, a simple XOR cipher can trivially be broken using frequency analysis. If the content of any message can be guessed or otherwise known then the key can be revealed. Its primary merit is that it is simple to implement, and that the XOR operation is computationally inexpensive. A simple repeating XOR

(i.e. using the same key for xor operation on the whole data) cipher is therefore sometimes used for hiding information in cases where no particular security is required. The XOR cipher is often used in computer malware to make reverse engineering more difficult.

QUESTION 4

Which of the following algorithms uses three different keys to encrypt the plain text?

- A. Skipjack
- B. AES
- C. Blowfish
- D. 3DES

Correct Answer: D

3DES https://en.wikipedia.org/wiki/Triple_DES Triple DES (3DES) has a three different keys with same size (56-bit).

QUESTION 5

If you wished to see a list of revoked certificates from a CA, where would you look?

- A. RA
- B. RFC
- C. CRL
- D. CA

Correct Answer: C

CRL https://ru.wikipedia.org/wiki/Certificate_Revocation_List Certificate Revocation List (or CRL) is "a list of digital certificates that have been revoked by the issuing certificate authority (CA) before their scheduled expiration date and should no longer be trusted".