

One Time Pad Algorithm (Assignment)

1. One-time pad encryption differs from most other encryption methods in what way?
 - a. It uses simple calculations to encrypt.
 - b. The key is generated in a random fashion.
 - c. It is decrypted in the same fashion it is encrypted.
 - d. It uses a shared key.

2. The key in one-time pad encryption ____ from session to session.
 - a. remains constant
 - b. is lengthened
 - c. is replaced
 - d. None of the answers are correct.

3. What is one-time pad explain with example?

4. What are three features that make one-time pad perfectly secure?

5. Describe any two applications of OTP in cryptography.