

CNS 3rd Practical Viva ANS

1.) What is Vigenère's Cipher?

Ans.1) Vigenere Cipher is a method of encrypting alphabetic text. It uses a simple form of polyalphabetic substitution.

2.) What are advantages of Vigenère's Cipher?

Ans.2) Advantages of Vigenère's Cipher

1. The cipher disguises plaintext letter frequency
2. Largely uncrackable without knowledge of methods
3. Literally unbroken for 300 years
4. Large key space

3.) What is disadvantage of Vigenère's Cipher?

And.3) Disadvantage of Vigenère's Cipher

1. Repeating nature of the key (largest weakness that leads to other weaknesses)
2. Because the key repeats it makes it much easier to guess the length of the key
3. This method doesn't work better with small strings.