CNS 8th Practical Viva ANS

**1.) What is Concept of co-prime?**

**Ans.1)** Co-prime numbers are pairs of numbers that do not have any common factor other than 1.

**2.) What is use of GCD in Cryptography?**

**Ans.2)** The GCD is used for a variety of applications in number theory, particularly in modular arithmetic and thus encryption algorithms such as RSA.

**3.) What is Euler’s Totient?**

**Ans.3)** Euler’s Totient is a multiplicative function, meaning that if two numbers m and n are relatively prime, then φ(mn) = φ(m)φ(n)