**CNS Assignment 2**

**1. Explain in detail about Euler’s Totient function?**

**Ans.1)**

**2.a) In public key system using RSA you intercept the cipher text C = 10 sent**

**to the user whose public key is e = 5, n = 35, what is the plaintext M?**

**Ans.2.a)**

**2.b) Demonstrate the working of Diffie-Hellman key exchange algorithm with**

**suitable example.**

**Ans.2.b)**

**3. Demonstrate the working of Diffie-Hellman key exchange algorithm with**

**suitable example.**

**Ans.3)**

**4. Explain the Hash Functions and their Security.**

**Ans.4)**

**5. Explain in detail about Application Gateway firewall.**

**Ans.5)**

**6. Explain in detail about SQL injection?**

**Ans.6)**