**Department of Computer System Engineering**

**Subject: Computer Security Assignment No. 02 CLO2**

**Q1.** Solve the following using RSA cryptosystem.

a). p = 13 and q =17, public key e= 35. Private Key d=?

b). p = 13 and q =23, public key e= 23. Private Key d=?

c). Encrypt the following messages using the public keys in part a and b.

18 22 9 17

d). Decrypt the following messages using the keys in part a and b.

189 73 127 77