**Assignment 3**

Q.1 What do you mean by signals, Logic operator and gates?

Q.2 Simply the following Boolean expressions:

a. F(A,B,C)=A′B+BC′+BC+AB′C’

b. F(A,B,C)=(A+B)(B+C)

c. F(A,B,C)=A′BC+A′BC′+AB′C′+AB′C

d. AB+A(B+C)+B(B+C)

Q.3 What do you mean by combinational logic circuits?

Q.4 What do you mean by sequential circuits?

Q.5 How to convert one flip flop to other flip flop? Give Example.