Lab Index

Name: **Program/Year:**

Subject: **Code:**

LN	Topic	Submission	Remarks	Grade
1	Write a Program to simulate Birthday Paradox in excel.			
2	Write a Program to encrypt and decrypt the user input message and key using Caesar cipher.			
3	Write a Program to encrypt and decrypt the user input message and key using Play fair cipher.			
4	Write a Program to encrypt and decrypt the user input message and rails using Rail-fence cipher.			
5	Write a program to simulate the generation of sub keys for DES algorithm. (*Hint: use 10 bits*)			
6	Write a program to convert the user input message into state array.			
7	Write a program to test the prime numbers using Fermat's theorem.			
8	Write a program to test the prime number using Miller -Rabin algorithm.			
9	Write a program to find the Euler totient function of user input integer.			
10	Write a program to test if user input two integer is primitive root or not.			
11	Write a program to find the multiplicative inverse using Extended Euclidean algorithm.			
12	Write a program to simulate Diffie-Hellman key exchange algorithm.			