# Siddaganga Institute of Technology, Tumkur-572103

Department of Computer Science and Engineering

**CRYPTOGRAPHY AND NETWORK SECURITY LAB (7RCSL01)**

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| Student Name: | | | USN: | Batch No: | | Date: | |
| **Evaluation:** | | | | | | | |
| **Write Up (10 marks)** | **Clarity in concepts (10 marks)** | **Implementation and execution of the algorithms (10 marks)** | | | **Viva (05 marks)** | | **Total (35 marks)** |
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| Sl.No | Name of the Faculty In-Charge | | | | | | Signature |
| 1. |  | | | | | |  |
| 2. |  | | | | | |  |
| **Question No: 10**  Write a program to generate large random number using BBS random number generator algorithm and check whether the generated number is prime or not using RABIN-MILLER Primality testing algorithm. | | | | | | | |
| Algorithm:  BBS Random Number Generator Algorithm:  First, choose two large prime numbers p and q, that both have a remainder of 3 when divided by 4.  P=Q=3 mod 4    RABIN-MILLER Primality testing algorithm: | | | | | | | |