

SVKM'S NMIMS
SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING, NAVI-MUMBAI

Academic Year: 2022-2023

Program: B.Tech. Stream: CSBS

Subject: Cryptology

Date: 23/08/2022

Marks: 20

Year: 2022 Semester: VII

Time: 1 hrs (9:00 to 10:00)

No. of Pages: 1

Mid-Term Examination

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover of the Answer Book, which is provided for their use.

- 1) ~~Question No. 1 is compulsory.~~ All questions are compulsory.
- 2) Each question carries equal marks.
- 3) Answer to each new question to be started on a new page.
- 4) Figures in brackets on the right-hand side indicate full marks.
- 5) Assume Suitable data if necessary.

Q.No.	Statement of the question	CO/ SO/ BL	Marks
Q.1 (a)	Give four names of substitution technique.	CO1, BL1	(2)
Q.1 (b)	What is difference between block cipher and stream cipher.	CO1, BL1	(2)
Q.1 (c)	What are the principal of security.	CO1, BL2	(6)
Q.2	Define Euler's totient function and their applications.	CO1, BL3	(5)
Q.3	Solve : $5^{19} \text{ mod } 19$	CO1, BL3	(5)

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