

K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

Semester: January-May 2022

In-Semester Examination

Class: TY B. Tech

Branch: COMP

Full name of the course: Cryptography and System Security

Duration: 1hr.15 min

Semester : VI

Course Code: 2UCC602

Max. Marks: 30

Q. No	Questions	Marks
Q1	Discuss various methods of defense and give examples of all methods.	10 marks
Q2	A) Find all multiplicative inverse pairs in Z_{11} . B) Find the multiplicative inverse of 33 in Z_{100} using extended Euclidian algorithm.	05 marks 05 marks
	OR Discuss and Justify how confusion and diffusion is introduced and increased in DES algorithm.	10 marks
Q3	Discuss with neat diagram how asymmetric key cryptography can be used for confidentiality and authentication security services.	10 marks