



Sardar Patel Institute of Technology

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058-India
(Autonomous College Affiliated to University of Mumbai)

Mid Semester Examination

March 2019

Max. Marks: 20

Class: T.E.

Course Code: CE62

Name of the Course: Cryptography and System Security

Duration: 1 hr

Semester: VI

Branch: Computer

Instructions:

- (1) All Questions are Compulsory
- (2) Draw neat diagrams
- (3) Assume suitable data if necessary

Question No.		Max. Marks	CO
Q1	State different types of Computer Criminals and explain them. OR Describe the difference between Diffusion and Confusion?	04	CO1
Q2	State the rules to convert Plain-text to Cipher-text in Play fair Cipher Technique. Encrypt "HELLO" using Play-Fair Cipher technique with keyword "NETWORK". (Assume the Alphabet value starts from 1)	04	CO1
Q3	With the help of diagram explain the Cipher Feedback Mode and Electronic Code Book modes of block ciphers. OR Illustrate Blowfish algorithm with diagram	06	CO2
Q4	Explain DMZ Firewall configuration and its location.	06	CO4