



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

Sept 2018

Max. Marks: 20

Class: B.E.

Course Code: CPC702

Name of the Course: Cryptography and System Security

Duration: 1 hr

Semester: VII

Branch: Computer

Instructions:

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

Question No.		Max. Marks	CO
Q 1	Explain the terms Confidentiality, Availability, Integrity	03	CO1
Q2	Encrypt "CIPHER" using Hill Cipher technique with keyword "HILL" OR Explain Row Transposition Cipher technique. Encrypt the plaintext "Hello how are you" using the Row Transposition Cipher technique.	04	CO1
Q3	Explain RSA Key generation, Encryption and Decryption Algorithm. Solve one example of it. OR Explain Cipher Block Chaining Mode, Output Feedback Mode and Counter Mode operations of Block Cipher.	06	CO2
Q4	Explain the working of DES detailing the Feistel Structure	07	CO2