

SEAT No. \_\_\_\_\_

No. of printed pages: 01

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**SARDAR PATEL UNIVERSITY**  
**SYBBA-ITM 3 Years (Semester – IV)**  
**Information Security (UM04EBBI09)**

Date: 20/4/2018

Total Marks: 60

Time: 10.00 a.m. to 12.00 noon

Q.1 Describe following authentication methods: [15]

1. Tokens
2. Kerberos
3. Username and Password

OR

Q.1 [A] Explain Security Development Life Cycle. [10]

[B] Explain CHAP. [05]

Q.2 [A] Explain E-mail Security. [10]

[B] Describe Malicious Code Attacks. [05]

OR

Q.2 Explain Remote Access Security. [15]

Q.3 [A] Describe Packet filtering firewall and Application layer gateways with benefits and vulnerabilities. [10]

[B] Describe Workstations in context of security. [05]

OR

Q.3 Explain Intrusion Detection. [15]

Q.4 [A] Describe Public Key Cryptography. [10]

[B] Explain Transposition Ciphers. [05]

OR

Q.4 [A] Explain applications of public key cryptosystems. [10]

[B] Describe Substitutional Ciphers. [05]

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