

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER– V EXAMINATION – WINTER - 2018

Subject Code: 2650002

Date: 17/11/2018

Subject Name: Network Security

Time: 10.30 am to 01.00pm

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1 (a) Attempt the following.

- | | |
|---------------------------------|----|
| 1. List Active & Passive attack | 04 |
| 2. Explain security mechanism. | 03 |

(b) Explain key features of SET. 07

Q.2 (a) Discuss RC4 algorithm in detail. 07

(b) Define: 1. Firewall 2. TLS 3. Secure shell 07

OR

(b) State the difference between Block & Stream Cipher 07

Q.3 (a) Discuss X.509 certificate. 07

(b) Compare DES, 3DEC & AES. 07

OR

Q.3 (a) Explain RSA algorithm in detail. 07

(b) Discuss the benefits of IPSecurity. 07

Q.4 (a) Define Diffie-Hellman key exchange algorithm with example. 07

(b) Explain ESP format. 07

OR

Q.4 (a) Explain PGP and its services. 07

(b) Explain Web security overview. 07

Q.5 (a) Explain IEEE 802.11 Wireless LAN. 07

(b) Discuss Kerberos and its versions. 07

OR

Q.5 (a) Explain Firewall and its types. 07

(b) Discuss Intrusion and its detection techniques. 07
