



DHARMSINH DESAI UNIVERSITY, NADIAD
FACULTY OF TECHNOLOGY
B.TECH – SEMESTER – VII, IT
SUBJECT: (IT 710) E-COMMERCE AND E-SECURITY

Examination	: Third Sessional	Seat No.	:
Date	: 07/10/2013	Day	: Monday
Time	: 1:00 to 2:15	Max. Marks	: 36

INSTRUCTIONS:

1. Figures to the right indicate maximum marks for that question.
2. The symbols used carry their usual meanings.
3. Assume suitable data, if required & mention them clearly.
4. Draw neat sketches wherever necessary.

Q.1 Do as directed.

- (a) Explain difference between tunnel mode and transport mode? [2]
- (b) If user A is registered under X1 C.A. and user B registered under X2 C.A. then how both can communicate? [2]
- (c) What is the importance of cipher specification change protocol in IPSec. [2]
- (d) What is the importance of Dual Signature? Draw how to create Dual Signature ? [2]
- (e) What is the importance of revocation certificate? [2]
- (f) List characteristics of Firewall. [2]

Q.2 Attempt *Any Two* from the following questions.

- (a) Explain Secure Electronic Transaction where how processing is done at customer-side and merchant side. [6]
- (b) Draw the e-commerce model where maruti show room owner order the maruti car/cars from the website of the maruti car manufacturing company. [6]
- (c) Draw IP V4 and IP V6 packet format used by IPSec in tunnel mode and transport mode. [6]

Q.3 Attempt following questions.

- (a) Explain Kerberos version 4 authentication dialogue. [6]
- (b) Explain Handshake protocol of Secure Socket Layer protocol [6]

OR

Q.3 Attempt following questions.

- (a) Draw X.509 certificate format and explain each field of certificate [6]
- (b) Draw and explain types of firewall. [6]