



DHARMSINH DESAI UNIVERSITY, NADIAD
FACULTY OF TECHNOLOGY
B.TECH. SEMESTER V [INFORMATION TECHNOLOGY]
SUBJECT: E- COMMERCE & E-SECURITY

Examination	: Block Exam	Seat No.	: _____
Date	: 20/10/2016	Day	: Monday
Time	: 11:00 to 12:15	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.
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Q.1 Do as directed.(No Marks Without Justification)

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| (a) Write differences between MD5 and SHA 1. | [2] |
| (b) Define : Masquerade and Nonrepudiation. | [2] |
| (c) Explain Difference between tunnel mode and transport mode. | [2] |
| (d) Why IPSec is important? Explain in brief. | [2] |
| (e) List advantages of AES. | [2] |
| (f) List out applications of public key cryptography. | [2] |

Q.2 Attempt the following questions. [12]

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|---|-----|
| (a) Encrypt and decrypt the given message using playfair cipher :
Message : everything is possible
Key : technology | [6] |
| (b) Explain SHA 1 with proper diagrams. | [6] |

Q.3

(a) Explain Kerberos with proper diagram.	[6]
(b) List and briefly explain active and passive security attacks	[6]