## 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as majoractice. Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

## Eighth Semester B.E. Degree Examination, June/July 2015

## **Information and Network Security**

Time: 3 hrs.

Note: Answer FIVE full questions, selecting at least TWO questions from each part.

Max. Marks

			<i>,</i> )
		PART – A	
1	a.	Explain the characteristics of viable security policies.	(10 Marks)
	b.	Discuss the components of sample issue specific policy.	(10 Marks)
2	a.	Explain the dual homed host firewall.	(10 Marks)
	b.	Define firewall and explain all the firewall rules.	(10 Marks)
3	a.	Explain the different types of IDP systems.	(1034: 1.)
3	b.	Discuss measuring effectiveness of IDPs.	(10 Marks) (10 Marks)
			(10 Marks)
	_	With an analysis of the state o	
4	а. b.	With an example, explain vernam cipher technique for encrypting the plaintext. Explain the different attacks on crypto system.	(10 Marks)
	U.	Explain the different attacks on crypto system.	(10 Marks)
5	a.	$\frac{\mathbf{PART} - \mathbf{B}}{\mathbf{Discuss}}$ Discuss the different active attacks.	(10 Manles)
J		Explain the environmental shortcomings of Kerberos V <sub>4</sub> .	(10 Marks) (05 Marks)
	c.	With a diagram, explain the X·509 certificate format.	(05 Marks)
		Ç , F	(00 1/1111110)
6	a.	Using figure, explain how authentication is performed in PGP.	(10 M1)
U	a. b.	Explain the SIMIME functionality.	(10 Marks) (05 Marks)
	c. <sub>1</sub>	Explain the MIME content types.	(05 Marks)
	, <b>**</b>		` ′
*,_**.			

8 a. Explain the handshake protocol action in SSL

(10 Marks) (05 Marks)

b. Explain the key features of SET.

(05 Marks)

(10 Marks)

(10 Marks)

c. With a figure, discuss the dual signature construction.

Explain the ISAKMP message exchange types.

With a diagram, explain basic combination of security associations.

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