Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

Eighth Semester B.E. Degree Examination, Dec.2017/Jan.2018 Information and Network Security

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.

		atleast TWO questions from each part.	
		PART – A	
1	a.	Describe an EISP and its components.	(10 Marks)
L	b.	Define policy and explain issue specific security policy.	(10 Marks)
	0.	Define penel, and any	
2	a.	What is firewall? Explain the dual homed host firewall.	(10 Marks)
	b.	Define virtual private network Explain different techniques to implement a vi	rtual private
		network.	(10 Marks)
3	a.	Describe network based intrusion detection and prevention system.	(10 Marks)
,	b.	Explain the different types of IDP systems detection methods.	(10 Marks)
		Define cipher method. Explain vernam cipher method with example.	(10 Marks)
	a. b.	Discuss different categories of attacks on cryptosystems.	(10 Marks)
		PART - B	
5	a.	Discuss the security services.	(10 Marks)
	b.	Briefly discuss the difference between Kerberos version 4 and Kerberos version	. 5. (10 Marks),
6	a.	With a neat diagram, explain authentication and confidentiality of PGP.	(10 Marks)
•	b.	Explain S/MIME content types.	(05 Marks)
	c.	Describe S/MIME functionality.	(05 Marks)
		Sit and a factority association	(10 Marks)
7	a.	Explain the architecture of the IPSec and discuss the role of security association	05 Marks)
	b.	With neat diagram, explain IPSec ESP formant.	(05 Marks)
	c.	Mention the important features of Oakley algorithm.	
	Lan	at aggregation of the state of	(05 Marks)
8	a.	Discuss the SSL protocol stack.	(05 Marks)
	b.	Explain key features of SET. Describe the components of SET, with diagram.	(10 Marks)
	C.	Describe the components of 5D1, with diagram.	

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