## USN

## Eighth Semester B.E. Degree Examination, June 2012 Information and Network Security

Time: 3 hrs. Max. Marks: 100

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

		atleast TWO questions from each part.	
PART - A			
1	a. b.	Draw a schematic diagram showing the major steps in contingency planning. Exp	Marks) plain in Marks)
2	a. b.	•	0 Marks) 0 Marks)
3	<ul><li>a.</li><li>b.</li><li>c.</li></ul>	With the help of a schematic diagram, explain the centralized control implementation of IDS.	8 Marks)
4	a. b. c.	Explain the different categories of attacks on the cryptosystem.  Define the following terms with relation to cryptography.  i) Algorithm  ii) Key  iii) Plaintext	n. 6 Marks) 8 Marks) 6 Marks)
		PART – B	
5	a. b. c.	With the help of a neat diagram, explain the general format of a X.509 public key cer (06	4 Marks) rtificate. 6 Marks) 0 Marks)
6	a. b.		0 Marks) 0 Marks)
7	a. b.	Explain the security association selectors that determine an security policy databas	4 Marks) se entry. 6 Marks)
	c. d.	Draw a neat diagram of IPsec ESP format and explain. (05)	5 Marks) 5 Marks)
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8 a. Explain the parameters that define session state and connection state in SSL. (10 Marks)

b. Describe the SET participants. (05 Marks)

c. Explain the construction of dual signature in SET with a diagram. Also show its verification by the merchant and the bank. (05 Marks)