also list the alerts that are fatal.

USN

10CS/IS835

Eighth Semester B.E. Degree Examination, July/August 2021 Information and Network Security

Time: 3 hrs. Max. Marks:100

Note: Answer any FIVE full questions.

			Note: Answer any FIVE full questions.	**
	1	a.	Briefly explain the components of Enterprise Information Security Policy (EISP).	(10 Marks)
e e	3	b.		(10 Marks)
- 1	*			
	_		To a line of the control of the cont	(10 Maulza)
90 -	2	a.	2.1p.tut 1	(10 Marks)
		b.	Briefing emphasis in a contract of the contrac	(06 Marks)
		C.	Explain any 2 architectural implementations of firewalls.	(04 Marks)
	3	a.	Explain the different detection methods used by on IDPS.	(10 Marks)
ν.		b.	Briefly explain how a Host Based IDPS (HIDPS) can be used to monitor a	particular
*			computer or server.	(04 Marks)
5	ė	c.	Briefly explain the different control strategies used by IDPS.	(06 Marks)
		4	This is the life way and the second control of the second control	(00 Mowles)
	4	a.	Briefly explain the different categories of attacks on crypto systems.	(08 Marks)
		b.	Explain with an example encryption and decryption can be done using Vernam cip	(08 Marks)
-		c.	Briefly explain how wireless network can be secured using Wi-Fi Protected Acce	
		С.	Briefly explain now wholess network can be seemed asing will a seemed asing the seemed as the seemed	(04 Marks)
	_		D. C () Convite Attack ii) Convity Machaniam iii) Convity sarving Evalo	in security
	5	a.	Define: i) Security Attack ii) Security Mechanism iii) Security service. Explainted in details	(10 Marks)
		1.	attacks in details.	(16 Marks) (06 Marks)
		b.	Explain message exchanges in Kerberos version 4. Explain the X.509 certificate format.	(04 Marks)
<u>.</u>		c.	Explain the A.309 certificate format.	(OTIMINS)
	*			
	6	a.	List the different services offered by PGP and also mention the algorithm used	d for each
			service.	(06 Marks)
· · · .		b.	Explain PGP Message generation and PGP message reception using and private	key rings.
		G	- 1 1 1 1 0 0 M T	(08 Marks)
* .		C.	Explain the different functions provided by S/MIME.	(06 Marks)
	7	a.	With a diagram, explain the IPSec Document overview.	(08 Marks)
	•	b.	Explain IPSec Authentication header.	(06 Marks)
		c.	Discuss the need for Oakley algorithm and its important features.	(06 Marks)
	D.		a coppe in the	(10 M/
4	8	a.	Discuss the components of SET with diagram.	(10 Marks)
		b.	Explain how the alert protocol is used to convey SSL related alerts to the peer	(10 Marks)

(10 Marks)

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

2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.