(10 Marks)



also list the alerts that are fatal.

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

Max Marks: 100

1Time	. 3	hrs Max. Mark	ks:100
171111	J. J	Note: Answer any FIVE full questions.	
-	a. b.	Briefly explain the components of Enterprise Information Security Policy (EISP). (1 With a neat diagram, explain the components of contingency planning. (1	0 Marks) 0 Marks)
2	a.	Explain now the mewans have been entegorized outset on participations	10 Marks)
	b.	Briefly explain how remote connections can be protected.	06 Marks)
	C.	Explain any 2 architectural implementations of firewalls.	04 Marks)
3	a.		10 Marks)
3	b.	Briefly explain how a Host Based IDPS (HIDPS) can be used to monitor a property of the state of	particular
	0.	computer or server.	04 Marks)
	C.	Briefly explain the different control strategies used by IDPS.	06 Marks)
4		Briefly explain the different categories of attacks on crypto systems.	(08 Marks)
4	a. b.	Explain with an example encryption and decryption can be done using vernam cipil	ier.
	υ.	· · · · · · · · · · · · · · · · · · ·	OU ITALIAN)
	c.	Briefly explain how wireless network can be secured using Wi-Fi Protected Acces	(04 Marks)
			(04 marks)
		For los	n coourity
5	a.	Define: i) Security Attack ii) Security Mechanism iii) Security service. Explain	(10 Marks)
		attacks in details.	(16 Marks)
	b.	Explain message exchanges in Kerberos version 4.	(04 Marks)
	C.	Explain the X.509 certificate format.	
			1 C- 11 - 2 - 2 - 2
6	a.	List the different services offered by PGP and also mention the algorithm used	(06 Marks)
			(UU Maiks)
	b.	Explain PGP Message generation and PGP message reception using and private	(08 Marks)
		Explain the different functions provided by S/MIME.	(06 Marks)
	C.	Explain the different functions provided by sixtain	
			(08 Marks)
7	a.	With a diagram, explain the IPSec Document overview.	(06 Marks)
	b.	Explain IPSec Authentication header.	(06 Marks)
	C.	Discuss the need for Oakley algorithm and its important features.	()
			(10 T T)
8	a	Discuss the components of SET with diagram.	(10 Marks)
	1	Explain have the alert protocol is used to convey SSL related alerts to the peer	cinity and

Explain how the alert protocol is used to convey SSL related alerts to the peer entity and