(10 Marks)

(10 Marks)

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

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Eighth Semester B.E. Degree Examination, Dec.2019/Jan.2020 Information and Network Security

Time: 3 hrs.

BANG

Max. Marks:100

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

PART - A

PART - A						
1		Explain the three types of security policies defined in planning security.	(10 Marks)			
1	a.	Describe the major steps involved in contingency planning with neat diagram.	(10 Marks)			
	b. Describe the major steps involved in contingency planning with neat diagram. (10 Marks)					
•	_	What are firewalls? Explain the processing modes of firewalls.	(06 Marks)			
2	a. L	Give the best practices for firewall.	(06 Marks)			
	b.	How do you protect remote connections? Explain.	(08 Marks)			
	c.	How do you protect remote connections: Explain.	(001.1.1.)			
3	•	List the organizational requirements and constraints involved in designing	Intrusion			
3	a.	Detection System (IDS)	(06 Marks)			
	b.	Compare Honey pots, Honey nets and padded cell systems.	(06 Marks)			
	c.	How to deploy and implement IDS? Explain.	(08 Marks)			
	C.	Tiow to deploy and implement 25. 21.p				
4	a.	Define Cryptography, Cryptosystems and Cryptanalysis.	(06 Marks)			
•	b.	Compare substitution ciphers with transposition ciphers.	(06 Marks)			
	C.	Describe any two types of Cryptographic tools.	(08 Marks)			
		Dec				
		PART – B				
5	a.	Compare Kerberos version 4.0 with 5.0.	(06 Marks)			
	b.	Describe the various security mechanisms defined in X.800 services.	(06 Marks)			
	c.	Explain the modes network security with the aid of diagram.	(08 Marks)			
			(103/ 1)			
6	a.	What is PGP? Explain the PGP cryptographic functions with neat diagrams.	(10 Marks)			
	b.	Explain the MIME content types of S/MIME functionalities.	(10 Marks)			
-		St. 1 C. CTDitu	(06 Marks)			
7	a.	Give the application and benefits of IP security.				
	b.	How the Oakley key determination protocol is different from Diffie – Hellman	(06 Marks)			
	4	Explain.	(08 Marks)			
	c.	Explain Authentication Header and ESP protocol with formats.	(00 1.241.110)			

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What is SET? Explain how the cardholder sends purchase request via SET.

Explain SSL protocol architecture in detail.