Reg. No.:					

(d) Cryptographic checkbreak

Question Paper Code: 37204

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020

Seventh Semester

Computer Science and Engineering

01UCS704 - FUNDAMENTALS OF INFORMATION SECURITY

		(Regul	ation 2013)				
Duration: One hour			Maximum: 30 Marks				
		PART A - ($6 \times 1 = 6 \text{ Marks}$				
	(Ans	wer any six of	the following questio	ns)			
1. Which of the following principle ensure that the sender of a message cannot clathe message was never sent?							
	(a) Access Control		(c) Availability				
	(b) Authentication		(d) Non-Repudiation				
2.	A is anything t	is anything that can cause harm.					
	(a) Vulnerability	(b) Phish	(c) Threat	(d) Spoof			
3.	The DES algorithm has a	key length of					
	(a) 128 bits	(b) 32 bits	(c) 64 bits	(d) 16 bits			
4.	Which one of the algorith (a) RSA (b) Diffie-H		• • • • • • • • • • • • • • • • • • • •	otography? (d) None of the above			
5.	Another name for Messag	ge Authentication	on Code				
	(a) Cryptographic cod	ebreak	(b) Cryptographic codesum				

(c) Cryptographic checksum

6.	SHA-1 has a mess	sage digest of			
	(a) 160 bits	(b) 512 bits	(c) 628 bits	(d) 820bits	
7.	Which of the folloprogram?	owing is independent mal	icious program that need	not any host	
8.	• • •	(b) Trojan Horse es the assumption that un	(c) Virus	(d) Worm	sion?
ο.		•	•		51011 ?
	(a) Rule based	(b) Anomaly Detection	n (c) Attack tool	(d) None	
9.	is a portion network.	of network that separates	a purely internal networ	rk from an extern	al
	(a) Firewall	(b) DMZ	(c) Proxy	(d) DNS	
10.	A firewall needs t	o be so that it o	can grow with the networ	rk it protects.	
	(a) Robust	(b) Expensive	(c) Fast	(d) Scalable	2
		PART - B (3 x)	8= 24 Marks)		
		(Answer any three of the	he following questions)		
11.	What is access control	ess control matrix? Expl.	lain about protection a	nd state transiti	on in (8)
12.	How AES is u	used for encryption/decry	ption? Explain with exar	nple.	(8)
13.	What are the	properties of hashing fund	ction in cryptography.		(8)
14.	Explain about	t penetration analysis in d	etail with any two examp	ples.	(8)
15.	Explain the shopping app	use of cryptographic and lication.	d network security tech	nniques for an o	online (8)