b.	During 2020 pandemic, zero day attacks were reported against sophisticated firewalls, globally affecting the cyber space causing great economic and digital loss. Suggest the list of procedures that could have been followed for corporate high-tech investigations and its consequences based on the evidence collected.	10	3	3	1,8
29. a.	Highlight the difference between a civil and criminal investigation while reviewing a cyber incidence.	10	2	4	111
	(OR)				
Ъ.	Discuss the requirements of a cyber case that in under investigation.	10	2	4	1,8
30. a.	Describe the tasks in investigating e-mail crimes like email bombing and its violations, that may result in illegal data acquisition.	10	3	5	1,8
	(OR)				
Ъ.	Elaborate the procedures for acquiring data from any mobile device, which may lead to a punishable cyber crime under law.	10	3	5	1,8

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## **B.Tech. DEGREE EXAMINATION, MAY 2022**

Sixth & Seventh Semester

## 18CSE461T – INTERNET SECURITY AND CYBER FORENSICS

(For the candidates admitted from the academic year 2018-2019 to 2019-2020)

Note			The latest terms of the						
(i)	)				in first 40 minutes and OMR sheet sh	ould be	hand	ded c	ve
(ii	i)		all invigilator at the end of 40 <sup>th</sup> n t - <b>B</b> should be answered in answ		in land				
Tim	e: 2 <sup>1</sup>	½ Ho	urs		M	lax. Ma	ırks:	: 75	
			DADT A (2)	5 1 . 25 N	Nov. Los	Marks	BL	со	PO
			PART – A (25						
	1			LL Questio		1	1	1	1
	1.				services in IPv4 and IPv6.			•	^
		` /	IP AH	` '	IP ESP				
		(C)	IP IKE	(D)	OAKLEY				
	2.	An S	SSL connection occurs in	laver of	OSI model.	1	1	1	1
			Transport		Network				
		(C)	Session	· /	Physical				
		(0)	S C S S S S S S S S S S S S S S S S S S	(2)	z ny oxeaz				
	3.	The	size of alert messages in SSI	alert proto	col is .	1	1	1	1
			2 bytes	-	2 bits				
		` /	4 bytes	, ,	4 bits				
			_						
	4.	TLS	utilizes to expand	secrets into	blocks of data for key generation	t 1	1	1	1
		or v	alidation.						
		(A)	Random function	(B)	Pseudo random function				
		(C)	Hash function	(D)	Non hash function				
	_		. 1 1 007 77	1 .0	1111 11 37	,	1	1	1
	5.	(4)		_	ation as published by Netscape	1	1	1	1
		(A)	TLSV1	` ,	MD5				
		(C)	SHA	(D)	MAC				
	6.		relays a user's TCP and U	DP session	over firewall	1	1	2	1
	0.	(A)	<del>_</del> *		Choke point				
		(C)	Proxy server	, ,	Bastion host				
		(0)	Trong server		Pastion nost				
	7.		has ability to provide Netv	work Addres	ss Translation (NAT)	1	1	2	1
		(A)	Circuit level gateway		Packet filter				
		. ,	Application level gateway	. ,	Session gateway				
	8.			r protecting	g credit card transactions over the	1	1	2	1
		inter							
			SET	. ,	NET				
		(C)	TCP	(D)	UDP				

	protocol provides point to point encry (A) SET (B) S (C) NET (D) S	SSL	1	1 2	1	- 2		` · ·	nitted in digital form for  (B) Specific data  (D) Any information	1	1	5	1,8
10.	(A) Integrity (B) (	Confidentiality Sharing	1	1 2	1				(B) Trustworthy only (D) Non trustworthy and confidential	1	1	5	1,8
11.	goes for court trail.  (A) Chain of evidence  (B) C	Chain of custody Chain of investigation	1	1 3	1				evidence? (B) Record creation and damage (D) Record sharing and damage	1	1	5	1,8
12.	(A) RAID 0 (B) I	e designed for data recovery.  RAID 1  NON RAID 1	1	1 3	1,8				<ul><li>(B) Government agencies</li><li>(D) Business and government that</li></ul>	1	1	5	1,8
13.		torical data is called Verification Recognition	1	1 3	1			Which amendment under Indian law issthings that are to be seized  (A) First  (C) Third	sues warrants for search and persons or  (B) Second  (D) Fourth	1	1	5	1,8
14.		End to end End to point	1	1 3	1			$PART - B (5 \times 10 =$	50 Marks)	Marks	BL	СО	) PC
15.		nat for digital evidence? Properity format Digital format	1	1 3	1			Answer ALL Quality Internet security association and key m several types of payloads, that are use association data or key exchange data	anagement protocol (ISAKMP) defines ed to transfer information like security		1	1	1
16.	are known program files used to identify (A) Known file filters (B) U (C) File frame (D) I		1	1 4	1			any five types of ISAKMP payloads of (OR)	your choice.		1	1	1
17.	(A) Raw (B) I	rain meta data Processed Textual	1	2 4	1			Sketch the seven group documents of involving the protocols and related algorithms. Differentiate the modes or type of security of the seven group documents of involving the protocols and related algorithms.	orithms.		2		1
18.		_ materials. Trademarked Digitally approved	1	2 4	1		27. a.	during its communication.  Suggest the general types of firewal communication and their features depic		10	2	2	1
19.	phrases.		1	2. 4	4 1		b.	(OR) Enlist the cryptographic operation prin	nciples to be followed by every payee	10	3	2	1
20	(C) Force escrow (D) 1	Hash escrow Password escrow	1	2	<b>1</b> 1		28. a.	and payer during a digital financial tran  The Indian computer emergency resp	onse team found evidence of Chinese		3	3	1,8
20.	enables different email applications to server.  (A) MAPI (C) DAPI (D) (D)	API	1	2 2	T 1			hackers against Indian transportation s can be suggested to the computer f incident.	sector. Enumerate the list of steps that or				
								(OR)					

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