				~		
		(2 1/2 Hour	rs)		[Total Marks: 75]	
N.B.	1) All questions are compulso	•			ar ar	. 1
	2) Figures to the right indicate	marks.	0.4			
	3) Illustrations, in-depth answ	ers and dia	agran	ns will be appreciat	ed. 🗬 🧬	
	4) Mixing of sub-questions is a	not allowed	d.			
	4.50	1			130° (33°)	
Q. 1	Attempt All	Ch			A CO	
(a)	Select the correct alternative	from the o	ption	s given:	S	OM)
(i)	In case of, the e	vidence is	coll	ected from a sys	tem where the	J112)
	microprocessor is running.	, hi		-C 5.7	.5	
	(a) live acquisition	1 1	(b)	static acquisition		
	(c) sparse acquisition		. ,	offline acquisition		
		£ .		The state of the s	·	
(ii)	Packet Sniffers are software p	laced netw	ork to	, S		
	(a) Monitor Traffic			Analyzing attackers		
	(c) Obtaining information			provide security)	,-
	(A)	200	(u) 5	provide security		25-
(iii)	You can use the to help	VOUE attorn	S lo	orn the terms and f	anctions used in	
(/	computer forensics.	your altorn	iey iea	arn the terms and f	inctions used in	
in the same of the	(a) verbal report	37	راد) .		16.	
1.	(c) final report			preliminary report		
-	(c) Intal report		(d)	examination plan		
(iv)	io o formana i			1. 0%/6 .1		
(14)	facing problems of annual f	echnologic	ai me	edium for the spre	ad of malware,	
	facing problems of spam, & p (a) Cloud	. ()		\$ ov		
95		4 000		Pen drive	7	
	(c) Website	Sec. A.	(a)	Email		
(-1)	VATION OF THE PARTY OF THE PART	\$ 11 15	2			
(v)	When a person is harassed re	peatedly by	у веп	ig followed, then he	e/she is a target	
<u>, </u>	of	72.	a			
·	(a) Phishing		1	Stalking		
,	(c) Bullying	1	(a) 1	dentity threat		
			-			
(vi)	Which of the following is not	The state of the s				
23:	(a) Data theft	3-4		Forgery		
	(c) Damage to data and syst	ems ((d) 1	installing antivirus	for protection	
1			3.			
(vii)	Attorneys can now submit	documen	ts el	ectronically in ma	my courts; the	
5	standard format in federal cou	ırts is <u> </u>				
The state of	(a) Portable Document	Format ((b) 1	Microsoft Word (D0	DC)	
-	(PDF)	-77		•		
	(c) Encapsulated Postscript	(EPS) ((d) I	Postscript (PS)		

24461

Paper / Subject Code: 87003 / Cyber Forensics

(viii)	An is a document that lets you know what kind of questions to expect when you are testifying.						
	(a) written report (b) affidavit						
	(c) Examination Plan (d) subpoena						
(ix)	A written report is frequently an or a declaration.						
	(a) subpoena (b) Affidavit						
	(c) deposition (d) Perjury						
	(a) Teljary						
(x)	Most federal courts have interpreted computer records as evidence.						
()	(a) conclusive (b) Regular						
	(c) hearsay (d) Direct						
,	(a) Direct	Ø,					
(b)	Fill in the blanks by selecting from the pool of options: (5M	1)					
(0)	(computer forensic science, computer crime, DoS attack, Phishing, Active Acquisition, Flow analysis, Spam, Malware, Reverse Engineering, Stealing cookies)	•,					
(i)	Computer forensics also known as?						
3							
(ii)	Which of the following is a class of computer threat?						
(iii)	Evidence collected from network device logs						
,,							
(iv)	Unsolicited commercial email is known as						
63	Which of them is not a major way of stealing email information?						
(v)	which of them is not a major way of steaming email information?						
0.0	Attached Callering (Any TUDEE)	. ^					
Q. 2	Attempt the following (Any THREE) (15)	V1)					
(a)	Explain procedures for Corporate High-tech Investigations with respect to: i) Employee Termination Cases						
	ii) Email Abuse Investigation						
(b)	Explain the Investigation Triad						
(c)	What is data acquisition? What are its types? What is its goal? Explain.						
(d)	Explain acquiring data with dd command and dcfldd in Linux?						
(e)	What are the different acquisition tools in forensics? Explain any 5.						
(f)	What is network forensics? Explain the 3 modes of protection in DiD Strategy.						
Q. 3	Attempt the following (Any THREE) (15)	M)					
(a)	Write a short note on Email Servers						
(b)	Write a short note on Ping and Port Scan						
(c)	What tepdump and peap? Explain.						
	State and Explain the different types of content posted on social media?						
(e)	Explain Browser History and Browser Cache						
• •							

24461

Paper / Subject Code: 87003 / Cyber Forensics

(f)	Explain the following:	
	i) Web Server Logs	
	ii) Virtual Hosts	
Q. 4	Attempt the following (Any THREE)	(15)
(a)	Write a short note on Corporate Investigations.	
(b)	What is authorized requestor? Why should companies appoint them for computer investigations?	
(c)	List the guidelines to document and prepare evidence	
(d)	What is deposition? Explain its types and any two guidelines for testifying at a	
	deposition	
(e)	Explain Digital Signature and Electronic Signature	
(f)	Explain the following:	3
	i) Attribution of Electronic Records	1/2
	ii) Acknowledgment of Electronic Records	
	iii) Dispatch of Electronic Records	
Q. 5	Attempt the following (Any FIVE)	(15)
(a)	Define Computer Forensics.	3
(b)	In the company-policy violation case, What are some initial assessments you	
-C.	should make for a computer investigation?	
(c)	Explain the role of e-mail in investigations.	
(d)	Write a short note on Traceroute	
(e)	Explain the following terms:	
3	Affidavit b) exculpatory Evidence c) inculpatory Evidence	
(f)	List the general guidelines for Testifying	
(g)	What are the requirements to set up a workstation for computer forensics?	
(h)	Explain the trial process.	
, ~		