COURSE CODE: INT250 COURSE TITLE: DIGITAL EVIDENCE ANALYSIS

Time Allowed: 3 hrs Max. Marks: 70

Read the following instructions carefully before attempting the question paper.

1. Match the Paper Code shaded on the OMR Sheet with the Paper code mentioned on the question paper and ensure that both are the same.

2. This question paper is divided into two parts A and B.

- 3. Part A contains 30 questions of 1 mark each, 0.25 marks will be deducted for each wrong answer.
- 4. Part B contains 5 questions of 10 marks each. Attempt any 4 questions out of these 5 questions. In case all the 5 questions are attempted then only the first four attempted question will be evaluated.

5. Attempt all the questions in serial order.

Do not write or mark anything on the question paper except your registration no. on the designated space.

7. After completion of first 90 minutes, the OMR sheet will be taken by the invigilator.

S. Submit the question paper and the rough sheet(s) along with the answer sheet to the invigilator before leaving the examination hall.

Part- A

Q1. 1. Infer the meaning of the statement 'documenting the crime scene'.

a)Cataloging the evidence

b)Recording the evidence

c)Monitoring the evidence

d)Preserving the evidence

L2CO1

2. Show the option which is not included in the incident response process in an event of a cyber security incident.

a)Prepare

b)Identify

c)Restore

d)Relive L2CO1

3. Which of the following relates to successful incident response

n) Isolate exceptions

b) Assert, don't assume

c)Take post-incident measures

d)All of the above

4. Compare an incident response plan and a playbook

a) An incident response plan highlights overall roles and communication requirements; a playbook tells you what actions to take for threats.

b) An incident response plan tells you what actions to take for threats; a playbook highlights overall roles and communication requirements

c) An incident response plan bridges the gap between an organization's policies and procedures and security automation unlike a playbook.

d) An incident response plan defines a predefined set of actions to address a specific security incident unlike a L2CO1 playbook.

5. Which of the following relates to Incident response tool?

a)Namios

b)Squid Proxy

c)USB

d)ESF L2CO1

6. Which one of the following statements relates to dealing with Email security breach incident?

a) Deploying hardware, software, and security procedures to lock email.

b) Knowing normal behavior of a network so that one can spot any changes, breaches in the behavior of the network.

c)Phishing is one of the most commonly used methods that is used by hackers to gain access to the network

d)Sending couple of mails to same recipient.

L2 CO1

7. Which of the following malware's risk type allows the attacker to access the administrative controls and enables to do almost anything he wants to do with the infected computers?

a)Remote access Trojan (RAT)

b)Worms

c)Rootkits

d)Botnets L2CO1

8. Which of the following refers to a security incident that revolves around malware that locks a computer's files until

a user pays a fee? a)Ransomware

b) Human negligence

c) Data Breach

d)None of these

L2CO2

9. Summarize three catastrophes, dat a)Theft, becoming outdated, being for e)Corruption, sabotage, and loss	st b)Becon	o. ning corrupt, l e, loss of pow	secoming outdated, bei	ng irrelevant L2CO2	
				very plan.	
10. Outline the policy that includes b	oth the incident	response polic	y and the disaster rece		
a)Acceptable Use Policy	b)Kemote Acc	ess roncy		L2CO2	
c)Change Management Policy	d)Business Co	and the same of th		2000 St 100 BE	R25561
11. Choose the method that uses stoc artifacts.	hastic properties	of the compu	ter system to investigat	e activities lacking di	gital
a) Steganography	b) Stochastic forensics			remain .	
c) Both A and B	d) Steno forensics			L3C03	
12. CCFP identifies with:				and and	
a) Cyber Certified Forensics Profes	sional	b) Certifie	d Cyber Forensics Prof	uct L3CO3	
e) Certified Cyber Forensics Progra	ım	d) Certifie	d Cyber Forensies Prod	luct Licos	
13. Volatile data resides in?			Control to State of the State o	12002	
a) Registries	b) Cache	c) RAM	d) All of the above	L3CO3	
14. Identify the tools that create qua	lified forensic di	inlicate outpu	t files.		
a)Safe Back	b) EnCase	spinsans sampa	e) FTK Imager	d) All of the above L3CO3	
15. Choose the option that is a type	of volatile inform	mation collect	ed in digital forensics.	CONTRACTOR STATE	
a)System time	b)Logged-on	user(s)	c)Open files	d)All of the above L3CO3	
a) To clear the configuration setting b) It can provide crucial clues to a s c) Both A and B d) None of the above				14CO4 DU-	
17. Inspect and select the permissionetwork and the data it contains.				s necessary to protect	the
a) Open unread e-mails.	b) Monitor r	network traffic	k In		
c) Modify system logs.	d) Divulge u	iser personal i	nformation.		
THE CONTRACTOR OF THE CONTRACT				L4CO4	
18. Analyze the type of attack, who	n a hacker attem	ipts to attack a	host via the Internet.	Distance of assessite	
a) Remote attack	b) Physical	access	c) Local access	d)Internal attack	L4CO4
19. Discover tendump tool and cho	ose correct optio	m	197 - 111-10-1-11100		
a) is a popular, lightweight comma	nd line tool		b) captures packets		
c) Analyzes network traffic			d) All of the above	L4C04	
20. You have successfully comprimachines in the same network quic a. nmap -T4 -q 10.10.0.0/24 c. nmap -T4 -r 10.10.1.0/24	b. nmap -T4	ring an IP admonitoring. V	24	u would like to enun command you will us	
3.75 S 365 USS V	70				L4CO4
 Compare defided and def with ea a)defided supports the hashing of da b)def allows verification that the co 	ata when disk im	ages are creat age have not	ed contrary to dd been modified since th	e image was acquire	d contrary
to defidd e)defidd allows verification that i	he contents of	the image ha	ve not been modified	since the image was	acquired
contrary to dd. d)Both a and c				L4CO5	
- And School St. Herriton St.					

a) A storm	b)Post mortem	Mail Dec (CONTROL)	
a)Autopsy	o)rost mortem	c) EaseUs	d)Recuva L4CO5
23. A switch sending a copy of netw	ork packets to a monitorin	g network consection	to be the same
a) Port Mirroring	b) Disk Mirroring	c) Drive Mirror	
ATTACAN AND AND AND AND AND AND AND AND AND A	- ANDERSON ME		14000
24. An attacker, using a rogue wirele	ess AP, performed an MIT	M attack and injected	LACOS
malicious applet in all HTTP connec	tions. When users accesses	d any page, the applet	ran and evaloited many
machines. What kind of tool is used	by hacker in mentioned att	ack evidence?	rant and expressed many
a) Wireshark	b) Ettercap c) Airc	rack-ng d) Topdu	mp L4CO5
	STATE STATE		
25. The ELK stack is an acronym us	ed to describe a collection	of three open-source	projects
a) Elasticsearch, Logstash, Kibana	b)Evensearch, Logstash	, Kibana	residence.
e) Elasticsearch, Logstack, Kibana	d) Oddsearch, Logstack	, Kibana	L4C05
30 de 200			
26. Choose among the following pri	nciples states that sometin	nes it becomes more	desirable to rescore the details of
intruston that to adopt more etticient	measure to avoid it?		The second the details of
a)Least common mechanism	b)Compromise recording	g	
e)Psychological acceptability	d)Work factor		L5C06
action of the second			
27. Decide the incorrect from the fol	flowing statement in conte	kt to resource as in int	formation availability.
a) By resource as in information avail	lability, we can remove the	single point of failur	e.
b) DoS attacks on the control system	do not impact its availabil	ity.	
c) Redundancy ensures that the syste	m can operate in case of D	oS attacks.	
d) Ensuring backup systems is also	part of resource availability	y	L5C06
28 Delocities four major acceptlet and		Tarris and the same of the sam	
 Prioritize four major essential cor PS, Firewall, NAC, SIEM 			ation.
c) Router, IDS, NAC, HMI	b) IPS, Network Switch,		16.60
A PARTITION OF THE PART	d) IDS, IPS, Server, Rou		LSCO6
29. Mark the one that is not an eleme	al Chy Change Carlo	Salahan Av	
a) Executive summary	b) Computer evidence a	report template?	
c) Attacker methodology	d) Vision of the organiza		
er market intillodology	of Fision of the organiz	MION	LSCO6
30. Conclude the role of router as res	nonse tool by the fact:		
a) They can be targets of attack	portare most of most meet.		
b) They can be stepping-stones for at	tackers		
c) They can provide valuable informa	tion and evidence that allo	W investigators to me	
d) They have limited storage capacit	HV	in mysstigators to re-	
of they have ininted storage capacit	Part-B		L5C06
Q.2 Illustrate the incident handling s		mework and compon	ente of Incident consumer
Section and the Medicine and Inc.		menoric and compon	
Q.3 Demonstrate the steps involved	in incident response by for	mulating a reseases	L2CO1[10 Marks]
of your own choice.		triumaning a response	
Q.4 Develop a response toolkit in c	antest of the data collection	on funtify that former	L2 CO2[10 Marks]
		ar Josep J men torens	
admissible evidence by quoting illus	trative tools examples	ar manufathing on book to	L3CO3[10 Marks]
Q.5 Categorize local and remote acc	quisition in light of memor	y acquisition as nost	based evidence and compare
features and merits of both. Give an evidence.	illustrative example to per	torm a trap and trace	
	NOTE OF THE PERSON	AVV. 201 St. 18	L4 CO4 [10 Marks]
Q.6 Classify and compare major dat	ta analysis techniques for o	ligital forensic analys	is highlighting tools, merits and
limitations of each with suitable real	life examples.		IACOSI10 Market
Q.7 Explain in detail the guidelines	and template for computer	forensic report taking	suitable incidents and digital
evidences of your own choice.	20	2 1	L5 CO6 [10 Marks]
	End of Question	Paper	- coottomakaj
		-10	