

## University of Mumbai

Examinations Commencing from 7<sup>th</sup> January 2021 to 20<sup>th</sup> January 2021

Curriculum Scheme: Rev2016

Examination: BE Semester VII

Course Code: CSDLO7031 and Course Name: Advanced system security and Digital  
Forensics

Time: 2 hour

Max. Marks: 80

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Q1.	<b>Choose the correct option for following questions. All the Questions are compulsory and carry equal marks</b>
Q1.	<b>Lack of access control policy is a _____</b>
Option A:	Bug
Option B:	Vulnerability
Option C:	Threat
Option D:	Attack
Q2.	<b>Bell-LaPadula model is _____</b>
Option A:	A discretionary access control method
Option B:	A multiuser security system
Option C:	A multilevel security system
Option D:	A role base access control system
Q3.	<b>In the Challenge Handshake Authentication Protocol (CHAP), the packet that is used by the user to return the result of the calculation is called</b>
Option A:	Challenge
Option B:	Success
Option C:	Response
Option D:	Failure
Q4.	<b>A _____ provides malicious users remote control over the targeted computer.</b>
Option A:	Backdoor Trojan
Option B:	Trojan-Banker
Option C:	DDoS-Trojan
Option D:	Trojan-Downloader
Q5.	<b>Which of the following is/are the common targets of Injection Vulnerabilities?</b>

Option A:	SQL
Option B:	XML parsers
Option C:	Program arguments
Option D:	HTML
Q6.	<b>An attack on a computer network which involves the intruder siphoning off small amounts of money from a file and placing them in another file that he or she can access is called</b>
Option A:	email bombing.
Option B:	salami attack.
Option C:	computer virus.
Option D:	logic bomb.
Q7.	<b>_____ is the secure version of HTTP, the protocol over which data is sent between the browser and the website that are connected to.</b>
Option A:	Hyper Text Transfer Protocol Secure
Option B:	Hyper Text Transfer Protocol Security
Option C:	File transfer protocol secure
Option D:	File transfer protocol security
Q8.	<b>Which of the following is a countermeasure for authentication hijacking?</b>
Option A:	Authentication logging
Option B:	Kerberos
Option C:	SSL
Option D:	Active Directory
Q9.	<b>This web threat is used to fake one's identity</b>
Option A:	Sniffing
Option B:	Spoofing
Option C:	Pharming
Option D:	Phishing
Q10.	<b>_____ is a malicious method used by cyber-criminals to trick a user into clicking on something different from what the user wants.</b>
Option A:	Click-hacking
Option B:	Click-fraud
Option C:	Clickjacking
Option D:	Using torrent links
Q11.	<b>_____ is the anticipation of unauthorized access or break to computers or data by means of wireless networks.</b>

Option A:	Wireless access
Option B:	Wireless security
Option C:	Wired Security
Option D:	Wired device apps
Q12.	<b>Which among them has the strongest wireless security?</b>
Option A:	WEP
Option B:	WPA
Option C:	WPA2
Option D:	WPA3
Q13.	<b>_____ is the central node of 802.11 wireless operations.</b>
Option A:	WPA
Option B:	Access Point
Option C:	WAP
Option D:	Access Port
Q14.	<b>A singer wishes to assign the rights to reproduce a video she has made other concert.</b>
Option A:	Copy rights
Option B:	Trade mark
Option C:	Patent
Option D:	Industrial designs
Q15.	<b>A company wishes to ensure that no one else can use their logo.</b>
Option A:	Copy rights
Option B:	Trade mark
Option C:	Patent
Option D:	Industrial designs
Q16.	<b>Trade in services includes which of the following?</b>
Option A:	Computer hardware
Option B:	Textiles
Option C:	Insurance
Option D:	Aerospace
Q17.	<b>which tool is not used for creating forensic duplicate</b>
Option A:	dd

Option B:	dcfldd
Option C:	Open Data Duplicator(ODD)
Option D:	SNORT
Q18.	<b>Autopsy is a digital forensic platform having features like_____</b>
Option A:	Timeline analysis
Option B:	Hash filtering
Option C:	keyboard search
Option D:	forensic duplication
Q19.	<b>An example of a content-related crime would be:</b>
Option A:	Cyberstalking
Option B:	Child pornography
Option C:	Hacking
Option D:	Solicitation
Q20.	<b>Computers can play the following roles in a crime:</b>
Option A:	Target, object, and subject
Option B:	Evidence, instrumentality, contraband, or fruit of crime
Option C:	Object, evidence, and tool
Option D:	Symbol, instrumentality, and source of evidence

<b>Q2</b>	<b>Solve any Two Questions out of Three</b>	<b>10 marks each</b>
A	What is Cyber attack and explain different types of cyber attack	
B	Discuss any two techniques of memory and address protection.	
C	What is the need of SSL? Explain SSL architecture with handshaking protocol.	

<b>Q3</b>	<b>Solve any Two Questions out of Three</b>	<b>10 marks each</b>
A	Differentiate between WEP,WPA and WPA2..	
B	What is Evidance?Explain the types of Evidance.	
C	Define forensic duplicate. Illustrate in detail how will you create forensic duplicate of a hard drive.	