

University of Mumbai

Examination 2020 under cluster 4 (PCE)

Program: BE Information Technology Engineering

Curriculum Scheme: Rev2016/2012

Examination: Third Year Semester VI

Course Code: ITC603 and Course Name: System and Web Security

Time: 1 hour

Max. Marks: 50

Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	Two entities exchange some messages to prove their identity to each other which security mechanism is this
Option A:	Traffic Padding
Option B:	digital signature
Option C:	Authentication exchange
Option D:	Data Integrity
Q2.	-----provides protection against unauthorized access of data
Option A:	Data Confidentiality
Option B:	data Integrity
Option C:	Authentication exchange
Option D:	Access control
Q3.	superincreasing tuple is
Option A:	a single tuple
Option B:	k-tuple
Option C:	inverse knapsack
Option D:	each element is greater than or equal to sum of all previous elements
Q4.	Which authentication process that allows a user to access multiple applications with one set of login credentials.
Option A:	Single Sign On
Option B:	Password based
Option C:	Challenge/Response token
Option D:	Access Based Token
Q5.	Which of the following model allow the users to access the systems and applications of multiple organizations using one login credential?
Option A:	Mutual Authentication
Option B:	Password based
Option C:	Challenge/Response token
Option D:	Federated Identity Management
Q6.	Which of the following is a standard format for public key certificates, digital documents
Option A:	X. 509
Option B:	X. 204
Option C:	X. 500
Option D:	X. 100
Q7.	Which of the following enables the use of certificates in order for Servers and users to

University of Mumbai
Examination 2020 under cluster 4 (PCE)

	identify each other and establish a secure connection between two users
Option A:	Availability
Option B:	PKI
Option C:	Confidentiality
Option D:	Authorization
Q8.	Which are called as the “super-CAPTCA
Option A:	Math Solving Captcha
Option B:	3D Captcha
Option C:	Picture Identification Captcha
Option D:	Ad-Injected Captcha
Q9.	Convey info by varying the speed at which things happen is a type of ----- -----
Option A:	Timing covert channels
Option B:	Storage covert channels
Option C:	Path covert channels
Option D:	Program covert channels
Q10.	-----indicates the level of trust given to a person with a security
Option A:	Classification Level
Option B:	Clearance level
Option C:	Security level
Option D:	Mitigation level
Q11.	Which of the following is a class of Computer Threat
Option A:	DoS Attack
Option B:	Phishing
Option C:	Stalking
Option D:	Soliciting
Q12.	What type of rootkit will patch, hook, or replace the version of system call in order to hide information?
Option A:	Library level rootkits
Option B:	Kernel level rootkits
Option C:	System level rootkits
Option D:	Application level rootkits
Q13.	Which of the following Malicious Program do not replicate Automatically?
Option A:	Trojan Horse
Option B:	Virus
Option C:	Worm
Option D:	Zombie
Q14.	Keyloggers are form of
Option A:	Trojan Horse
Option B:	Spyware
Option C:	Shoulder Surfing

University of Mumbai
Examination 2020 under cluster 4 (PCE)

Option D:	Social Engineering
Q15.	Using the _____ account of a UNIX system, one can carry out administrative functions.
Option A:	root
Option B:	administrative
Option C:) user
Option D:	client
Q16.	What is not true regarding 'Fence'?
Option A:) It is implemented via hardware register
Option B:	It doesn't protect users from each other
Option C:	It good to protect OS from abusive users
Option D:	its implementation is unrestricted and can take any amount of space in operating system
Q17.	The attackers a network of compromised devices known as
Option A:	Internet
Option B:	Botnet
Option C:	Telnet
Option D:	D-net
Q18.	The Honeypot have common running services on it they are
Option A:	Port 23,80,21
Option B:	Port 20,21,22
Option C:	Port 50,23, 22
Option D:	Port 1000,50,40
Q19.	The Firewall protecting a Target Server can become exhausted due to
Option A:	Network flooding
Option B:	ICMP flooding
Option C:	UDP flooding
Option D:	Host Machine flooding
Q20.	Anyone trying to access the Honeypot is a
Option A:	Potential attacker
Option B:	Hacker
Option C:	Slow attacker
Option D:	Cracker
Q21.	Direct Internet traffic and Virus attacks are the Firewall
Option A:	Advantages
Option B:	Charachterstics
Option C:	Features
Option D:	Limitations
Q22.	All traffic from inside to outside and vice versa must Pass through
Option A:	Router

University of Mumbai
Examination 2020 under cluster 4 (PCE)

Option B:	Gateway
Option C:	Hub
Option D:	Firewall
Q23.	which of the malicious program do not replicate automatically
Option A:	Trojan Horse
Option B:	Virus
Option C:	Worm
Option D:	Zombie
Q24.	which of the following is A class of computer threat
Option A:	DoS Attacks
Option B:	Phishing
Option C:	Stalking
Option D:	Soliciting
Q25.	Ransomware also known as
Option A:	Scareware
Option B:	trojanhorse
Option C:	passive attack
Option D:	authorization

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Question	Correct Option (Enter either 'A' or 'B' or 'C' or 'D')
Q1.	C
Q2.	D
Q3.	D
Q4	A
Q5	D
Q6	A
Q7	B
Q8.	B
Q9.	A
Q10.	B
Q11.	A

University of Mumbai
Examination 2020 under cluster 4 (PCE)

Q12.	A
Q13.	A
Q14.	B
Q15.	A
Q16.	D
Q17.	B
Q18.	A
Q19.	C
Q20.	A
Q21.	D
Q22.	D
Q23.	A
Q24.	A
Q25.	A