

University of Mumbai

Program: **Department of Information Technology**

Curriculum Scheme: Rev 2016

Examination: BE Semester: VII

Course Code: ITC702 and Course Name: Infrastructure Security

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Q1.	
1.	_____ is a code injecting method used for attacking the database of a system / website.
Option A:	HTML injection
Option B:	SQL Injection
Option C:	Malicious code injection
Option D:	XML Injection
2.	Which of the following is the least secure method of authentication?
Option A:	Key card
Option B:	Fingerprint
Option C:	retina pattern
Option D:	Password
3.	When there is an excessive amount of data flow, which the system cannot handle, _____ attack takes place.
Option A:	Database crash attack
Option B:	DoS (Denial of Service) attack
Option C:	Data overflow Attack
Option D:	Buffer Overflow attack
4.	_____ stores permanent data about subscribers
Option A:	HLR
Option B:	VLR
Option C:	EIR
Option D:	AUC
5.	_____ is an old IEEE 802.11 standard from the year 1999.
Option A:	WPA2
Option B:	WPA3
Option C:	WEP
Option D:	WPA
6.	What is characteristic of RADIUS system?
Option A:	It is essential for centralized encryption and authentication
Option B:	It works on Network layer to deny access to unauthorized people
Option C:	It provides centralized authentication mechanism via network devices
Option D:	It's a strong File access system

7.	_____ are the special type of programs used for recording and tracking user's keystroke.
Option A:	Keylogger
Option B:	Trojans
Option C:	Virus
Option D:	Worms
8.	Which of the following are forms of malicious attack?
Option A:	Theft of information
Option B:	Modification of data
Option C:	Wiping of information
Option D:	Theft, modification, wiping of information
9.	A vpn tunnel is created using which tunneling protocol
Option A:	Layer 2 tunneling protocol
Option B:	Layer 3 Tunneling protocol
Option C:	Layer 4 Tunneling protocol
Option D:	Layer 5 tunneling protocol
10.	Penetration testing is called as
Option A:	pen testing
Option B:	parent testing
Option C:	paste testing
Option D:	primary testing

Q2.	Solve any Two Questions out of Three	10 marks each
A	<i>Explain: 1. Cross site scripting 2. SQL injection Attack</i>	
B	<i>Explain GSM architecture in detail.</i>	
C	<i>Explain Session Hijacking and management.</i>	

Q3.	Solve any Two Questions out of Three	10 marks each
A	<i>What is Risk analysis?</i>	
B	<i>Explain Access Control models.</i>	
C	<i>Explain database Security in detail.</i>	

Q4.	Please delete the instruction shown in front of every sub question	
A	Solve any Two	5 marks each
i.	<i>Write short note on : VPN security</i>	

ii.	<i>Write short note on : WIDS</i>
iii.	<i>Explain Cross-Site Request Forgery</i>
B	Solve any One 10 marks each
i.	<i>Explain DNS Attack</i>
ii.	<i>What are Linux and Windows Vulnerabilities?</i>