

University of Mumbai

Curriculum Scheme: Rev 2016

Examination: BE Semester VII

Course Code: ITC702 and Course Name: Infrastructure Security

Time: 2 hour

Max. Marks: 80

Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
1.	_____ can receive application data from any application layer protocol, but the protocol is normally HTTP
Option A:	IPSec
Option B:	PGP
Option C:	SSL and TLS
Option D:	ESP
2	Risk analysis is
Option A:	Time frame within which defensive measures are diminished, compromised or lacking.
Option B:	Technique used to identify and assess factors that may expose the success of a project or achieving a goal.
Option C:	The protection of computer systems and networks from the theft of or damage to their hardware, software, or electronic data.
Option D:	Incognito mode in a browser
3.	Cybercrime is
Option A:	A crime that causes physical, emotional, or psychological harm to the victim
Option B:	A crime that involves a computer and a network
Option C:	A crime that threatens to hurt someone, and also includes crimes where a weapon is used
Option D:	Combination of Confidentiality, Integrity and Availability
4.	Paging, Segmentation, Relocation are techniques used by Operating System for _____
Option A:	File Protection
Option B:	Memory Protection
Option C:	preventing Root kit Attack
Option D:	Device Protection
5.	Following are the web browser protection techniques except
Option A:	Clear cookies file
Option B:	Disable the cache
Option C:	Set internet security to high
Option D:	Enable JavaScript support
6.	----- is the process of limiting the impact and the effect of an incident and preventing it from causing further damage.
Option A:	Evidence gathering
Option B:	Containment
Option C:	Evidence handling

Option D:	Eradication
7.	These are a collective term for malicious spying programs used for secretly monitoring someone's activity and actions over a digital medium
Option A:	Malware
Option B:	Remote Access Trojans
Option C:	Keyloggers
Option D:	Spyware
8.	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
9	The access to resource objects is strictly controlled by operating systems based on system administrator configured setting.
Option A:	Mandatory access organizations
Option B:	Discretionary access control
Option C:	Role based access control
Option D:	attribute based access control
10.	Which one of the following is not in a category of attack on file system
Option A:	Race condition attack
Option B:	Using ADS hide files
Option C:	Directory traversal
Option D:	phishing
Q.2	Solve any Two out of Three. 10 Marks Each
A	Explain different types of malware in software Security.
B	Explain different types of authentication method.
C	What is OWASP. Explain its ten Vulnerabilities.
Q.3	Solve any Two Questions out of Three 10 Marks Each
A	Explain different types of Email Attacks.
B	Explain file protection system in software security.
C	Explain Incident Management.
Q.4.	Solve any Two Questions out of Three 10 Marks Each
A	Explain OAuth 2.0 architecture and its grant type with neat diagram.
B	Explain Business Continuity Plan.
C	Explain Cloud identity and Access management.