

University of Mumbai

Program: **Information Technology**
Curriculum Scheme: Rev2016 CBCGS
Examination: BE Semester VII

Course Code: ILO7016 and Course Name: Cyber Security and Laws

Time: 2 hour

Max. Marks: 80

Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
1.	In which of the following attack you will receive an email that appears to be from someone you trust.
Option A:	Ransomware
Option B:	Phishing
Option C:	Spyware
Option D:	Torjan Horse
2.	Which of the following is considered as one of the “first ever registered online viruses”?
Option A:	Pikachu Virus
Option B:	Simile Virus
Option C:	Morris Worm
Option D:	CryptoLocker Trojan Horse
3.	DDoS stands for:
Option A:	A Distinguished Denial of Service
Option B:	A Distributed Denial of Service
Option C:	A Distanced Data Operating Service
Option D:	Disk Operating System
4.	Criminal offences can be classified as:
Option A:	Offence against unauthorized access of computer data and system.
Option B:	Offence against Private contents.
Option C:	Offence against Government.
Option D:	All of the above

5.	_____ is the demonstration of investigating frequently with the objective of discovering something or somebody to gain data.
Option A:	Scrutinizing
Option B:	Sniffing
Option C:	Reconnaissance.
Option D:	none of these above
6.	A _____ consists at least one bot server or controller and one or more client-bots.
Option A:	Trojans
Option B:	virus
Option C:	worms
Option D:	Botnets
7.	Mobile security is also known as _____.
Option A:	OS security.
Option B:	Cloud security
Option C:	Database security.
Option D:	Wireles security.
8.	Which of them is not a proper method for email security?
Option A:	Use Strong password
Option B:	Use email Encryption
Option C:	Spam filters and malware scanners
Option D:	Click on unknown links to explore
9.	_____ is hiding of data within data, where we can hide images, text, and other messages within images, videos, music or recording files.
Option A:	Cryptography
Option B:	Tomography
Option C:	Steganography
Option D:	Chorography
10.	Network layer attack is also known as _____
Option A:	Layer3-4 DoS attack
Option B:	Layer5 DoS attack
Option C:	Layer6-7 DoS attack
Option D:	Layer2 DoS attack

Q2	Solve any Two Questions out of Three 10 marks each
A	Classify the cybercrimes and explain any one briefly.
B	How do criminals plan attacks? Discuss various steps involved. (OR) Describe in detail about how criminals plan attacks?
C	Compare vishing, phishing and smishing.

Q3.	Solve any Two Questions out of Three 10 marks each
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A	Explain how the appeals can be made under The IT ACT, 2000.
B	What is electronic governance? Explain the role of digital signature in e-governance.
C	Write key IT requirements for SOX and HIPAA?

Q4.	Solve any Two Questions out of Three 10 marks each
A	Explain the legal architecture required for the validity of digital signature.
B	What is blind SQL injection attack? Can it be prevented?
C	What is spear phishing ? Explain in detail with an example.