University of Mumbai
Examination 2021 under cluster KJSIEIT
Examinations Commencing from 22nd April 2021 to 30th April 2021
Program: Computer Engineering
Curriculum Scheme: Rev2019
Examination: MEAI Semester I
Course Code: ILO1016 and Course Name: Cyber Security & Laws

Time: 2-hour   Max. Marks: 80

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Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
1.	What is the referent object in contemporary cyber-security?
Option A:	Digitalized sensitive information
Option B:	Critical Information Infrastructures
Option C:	Government IT systems
Option D:	Telecommunication networks
2.	In terms of cyber-security, what is meant by 'resilience' and why is it important?
Option A:	Resilience refers to the ability of an IT system to identify and defend against a cyber-security threat
Option B:	The only way to build a truly resilient IT system is to ensure that it can repel all types of threat and remain and avoid attack.
Option C:	Resilience in an IT system refers to its ability to function when there are no threats to its security.
Option D:	Resilience refers to the ability of IT systems to recover from attack.
3.	Which of the following concepts does NOT form part of the technical discourse on cyber-security?
Option A:	Business networks
Option B:	Computer experts
Option C:	Anti-virus industry
Option D:	Computer networks
4.	What is 'malware'?
Option A:	A virus or worm
Option B:	A Trojan horse
Option C:	A hacker tool
Option D:	A corrupted program
5.	What is meant by the term 'cyber-crime'?
Option A:	Any crime that uses computers to jeopardise or attempt to jeopardise national security
Option B:	The use of computer networks to commit financial or identity fraud
Option C:	The theft of digital information
Option D:	Any crime that involves computers and networks

6.	Which of these is an effective way of securing against cyber threats?
Option A:	Complete eradication of threats.
Option B:	Ensure that the severity of cyber war as a threat is recognised, and that instances of cyber warfare are identified, publicised, and acted upon immediately.
Option C:	Acceptance that there can be no absolute security, instead design resilient IT systems and build international cooperation and information exchange in order to reduce threat and increase resilience.
Option D:	Both A and B
7.	Which of the following is not an appropriate way of targeting a mobile phone for hacking?
Option A:	Target mobile hardware vulnerabilities
Option B:	Target apps' vulnerabilities
Option C:	Setup Keyloggers and spyware in smart-phones
Option D:	Snatch the phone
8.	Which of the following is not an OS for mobile?
Option A:	Palm
Option B:	Windows
Option C:	Mango
Option D:	Android
9.	_____ gets propagated through networks and technologies like SMS, Bluetooth, wireless medium, USBs and infrared to affect mobile phones.
Option A:	Worms
Option B:	Antivirus
Option C:	Malware
Option D:	Multimedia files
10.	In which of the following, a person is constantly followed/chased by another person or group of several peoples?
Option A:	Phishing
Option B:	Bulling
Option C:	Stalking
Option D:	Identity theft
11.	The Information Technology Act 2000 is an Act of Indian Parliament notified on
Option A:	27th October 2000
Option B:	15th December 2000
Option C:	17th November 2000
Option D:	17th October 2000
12.	What is not the definition of Hacking?
Option A:	The gaining of unauthorized access to data in a system or computer

Option B:	Breaking into computer system
Option C:	Deliberate deception to secure unfair or unlawful gain
Option D:	valid concept
13.	_____ means a person who has been granted a license to issue a electronic signature certificate.
Option A:	Certifying Authority
Option B:	Certifying Private Key Authority
Option C:	Certifying system controller
Option D:	Appropriate Authority
14.	The person making proposal as per Indian contract act is known as
Option A:	promise
Option B:	proposal
Option C:	promisor
Option D:	agreement
15.	To hide information inside a picture, what technology is used?
Option A:	Rootkits
Option B:	Bitmapping
Option C:	Steganography
Option D:	Image Rendering
16.	Which one of the following can be considered as the class of computer threats?
Option A:	Dos Attack
Option B:	Phishing
Option C:	Soliciting
Option D:	Both A and C
17.	What hackers first do to check wether the SQL Injection Attack can be done or not?
Option A:	Directly run the SQL queries on the website
Option B:	Tries to find the version number of the database.
Option C:	Search the SQL impacted websites on search engines
Option D:	Find the unvalidated parameter and run SQL query
18.	Tampering with source documents is dealt with under section _____.
Option A:	Section 65
Option B:	Section 69
Option C:	Section 64
Option D:	Section 66

19.	The online transactions only involve the manufacturers, wholesalers, retailers etc. is_____ transactions.
Option A:	Business to Business (B2B)
Option B:	Business to Customer (B2C)
Option C:	Customer to Customer (C2C)
Option D:	Customer to Business (C2B)
20.	The mechanism EDI stands for_____.
Option A:	Explore Internet Data
Option B:	Electronic Data Interchange
Option C:	Exponential Delay on Internet
Option D:	Expense with Data Interchange

Q2 [20]	Solve any Two Questions out of Three 10 marks each
A	What is Cloud Computing? Explain all the Services provided by Cloud Computing?
B	How the Criminals Plan the Attacks? Explain with examples?
C	What are Botnets? How Botnets Involved in Cybercrimes?

Q3 [20]	Solve any Two Questions out of Three 10 marks each
A	Explain about different Cyber Security aspects of Mobile and Wireless Devices?
B	Explain about Indian IT ACT?
C	Explain about the impact of Cybercrimes in Social Engineering?

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Question Number	Correct Option (Enter either 'A' or 'B' or 'C' or 'D')
Q1.	B
Q2.	D
Q3.	A
Q4	C
Q5	D
Q6	C
Q7	D
Q8.	C
Q9.	C
Q10.	C
Q11.	D
Q12.	C
Q13.	A
Q14.	C
Q15.	C
Q16.	A
Q17.	D
Q18.	A
Q19.	A
Q20.	B