

**K. J. Somaiya Institute of Engineering and Information Technology, Sion,
Mumbai-22**

(Autonomous College Affiliated to University of Mumbai)

End Semester Exam

Nov-Dec 21-held in March 2022

Program: M. Tech. (Artificial Intelligence)

Examination: FY Semester: I

Course Code: 1PCEILC1056 and Course Name: Cyber Security and Laws

Duration: 03 Hours

Max. Marks: 60

Instructions:

- (1) All questions are compulsory.
- (2) Draw neat diagrams wherever applicable.
- (3) Assume suitable data, if necessary.

		Max. Marks	CO	BT level
Q 1	Solve any six questions out of eight:	12		
i)	What are the Challenges for securing data in business perspective		CO1	2
ii)	List Notable features of the ITAA (2008)		CO5	1
iii)	Suggest important steps for safety and security in Cyber Café.		CO4	2
iv)	Explain with example, how Do Botnets work?		CO5	2
v)	What types of services exist in the cloud computing?		CO4	2
vi)	Suggest the best ways to ward off Bluetooth attacks		CO5	2
vii)	What are the key IT requirements of HIPAA?		CO5	2
viii)	What is the punishment for publishing obscene material in electronic form under section 67 of ITA 2000?		CO3	2
Q.2	Solve any four questions out of six.	16		

i)	What is meant by computer source code under section 65 of ITA 2000? What is the punishment for tampering with it?		CO2	2
ii)	Explain with example Data Diddling. How can an organisation deal with this kind of cyber-crime?		CO5	2
iii)	Write a short note on a global Perspective on cybercrimes.		CO1	2
iv)	Explain data protection and the new clause 43A under the amended IT Act		CO3	2
v)	Assess Intellectual Property Aspect in cyber law.		CO6	1
vi)	Distinguish between spamming, hacking and email bombing.		CO5	3
Q.3	Solve any four questions out of six.	16		
i)	Who is behind Cyber stalking and how to avoid cyber stalking?		CO6	1
ii)	What is the penalty for publishing Digital Signature Certificate false in certain particulars, under section 73 and 74 of ITA 2000?		CO2	2
iii)	Analyse Social Engineering Attack Lifecycle and explain most common forms of digital social engineering assaults.		CO6	4
iv)	Discuss any 2 information security standard compliances		CO5	2
v)	List any 2 sections of ITA 2008 related to Indian IT and ITES companies.		CO5	1
vi)	Elaborate on cyber attack called as Phishing. Suggest the ways of protection from phishing?		CO6	3
OR				
Q.3	Solve any two questions out of three.	16		
i)	What are the security practices and requirements of PCI?		CO5	2
ii)	How do hackers use these cyber threat vectors to access your network resources and accomplish their criminal ends? Discuss various techniques for Neutralizing Attack Vectors		CO6	2

iii)	How to help protect yourself against identity theft?		CO4	2
Q.4	Solve any two questions out of three.	16		
i)	Discuss top Mobile Device Information Security Risks. Suggest number of ways to resolve them		CO4	2
ii)	What are the positive aspects and weak areas of ITA 2000		CO2	2
iii)	Discuss the various Phases involved in planning Cybercrime.		CO1	2