

K. J. Somaiya Institute of Technology, Sion, Mumbai-22
(Autonomous College Affiliated to University of Mumbai)

Nov – Dec 2023		
(B.Tech) Program: All Branches Scheme II		
Examination: LY Semester:VII		
Course Code: ILC 7056 and Course Name: Cyber Security and Laws		
Date of Exam: 11/12/2023	Duration: 2.5 Hours	Max. Marks: 60

<p>Instructions:</p> <p>(1) All questions are compulsory.</p> <p>(2) Draw neat diagrams wherever applicable.</p> <p>(3) Assume suitable data, if necessary.</p>				
		Max. Marks	CO	BT level
Q 1	Solve any six questions out of eight:	12		
i)	Illustrate the Botnets structures used in cyber crimes	2M	CO2	2U
ii)	Demonstrate with example the difference between weak passwords, strong passwords and Random passwords.	2M	CO3	2U
iii)	Recommend any five steps for creating Cyber security Awareness.	2M	CO5	3Ap
iv)	Summarize Notable features of the ITAA	2M	CO1	2U
v)	Differentiate between Steganography and cryptography.	2M	CO	4An
vi)	Examine the PCI DSS compliance 'levels'	2M	CO6	3Ap
vii)	List Criminal Liabilities under Information Technology Act, 2000	2M	CO4	1R
viii)	Differentiate between virus and worm.	2M	CO2	4An
Q.2	Solve any four questions out of six.	16M		
i)	Discuss ways to prevent SQL Injection attacks?	4M	CO3	2U
ii)	Explain the common HIPAA violations Causes and what are its categories?	4M	CO6	2U
iii)	Elaborate on the types of EDI: Electronic Data Interchange and its benefits	4M	CO4	2U

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iv)	Explain various issues Emerging From Online Contracting.	4M	CO5	2U
v)	Explain global Perspective on cybercrimes with examples of any three major countries in the world.	4M	CO1	2U
vi)	Predict high-Level Threats and Vulnerabilities for mobile use at organizational level.	4M	CO2	4 An
Q.3	Solve any two questions out of three.	16M		
i)	Evaluate motives behind cyber crime and Categories of Cybercriminals with a case study.	8M	CO1	5E
ii)	Discuss any three strategies implemented to ensure cyber security.	8M	CO5	3Ap
iii)	Examine crimes and punishments that are considered in any two sections of IT Act 2000? What amendment is done in ITAA 2008?	8M	CO4	4 An
Q.4	Solve any two questions out of three.	16M		
i)	Illustrate factors to be considered in the security of: a) Debit and Credit Card b) Mobile Banking c) UPI d) Online banking	8M	CO2	3Ap
ii)	Demonstrate the FISMA Compliance Requirements and Penalties for FISMA Compliance Violations	8M	CO	3Ap
iii)	Draw and explain DDoS attacks. Developing a case study, elaborate How will you prevent Dos/DDos attacks?	8M	CO3*	5Ev
