

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

K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai-22 (Autonomous College Affiliated to University of Mumbai) End Semester Exam Nov – Dec 2025 (B.Tech/M.Tech.) Program: B. Tech Examination: LY Semester: VII Course Code: 1UILC7056 and Course Name: Cyber Security and Laws Date of Exam: 4/12/25 Duration: 02.5 Hours Max. Marks: 60
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Instructions: (1) All questions are compulsory. (2) Draw neat diagrams wherever applicable. (3) Assume suitable data, if necessary.				
Q. No.	Question	Max. Marks	CO	BT level
Q 1	Solve any two questions out of three: (05 marks each)	10		
a)	Briefly explain the concept of botnets and provide one example of how they can be utilized in a cyber attack.		CO2	2
b)	What is E-commerce? Explain with real time example		CO4	2
c)	Explain criminal Justice in Indian IT Act 2000.		CO5	2
Q 2	Solve any two questions out of three: (05 marks each)	10		
a)	Compare active and passive attacks in cyber security .		CO1	2
b)	Explain various types of Key loggers.		CO3	2
c)	Write key IT requirements for SOX.		CO6	3
Q.3	Solve any two questions out of three. (10 marks each)	20		
a)	Explain the significance of Intellectual Property Rights (IPR) in cyberspace with suitable examples		CO4	2
b)	What is SQL injection Attack ? Are there any countermeasures that can be used to prevent the attack.		CO3	2
c)	What are different types of Information security standard compliances and explain SOX Standards.		CO6	3

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Q.4	Solve any two questions out of three. (10 marks each)	20		
a)	Explain the role of search engine optimization (SEO) in e-commerce.		CO4	2
b)	Give a classification of Cybercrime and Cyber Criminal.		CO1	3
c)	HIPAA sets the standard for sensitive patient data. "Justify the statement.		CO6	33
