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

Carry - On Exam

August 2025

Program: B. Tech__Scheme: II

Supplementary Examination: LY Semester: VII

Course Code:ILO7016		Course Name: CYBER SECURITY & LAW
Date of Exam: 26/08/25	Duration: 02.5 Hours	Max. Marks: 60

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)	Explain types of cyber crime .		CO1	U
b)	Explain social engineering attacks .		CO2	U
c)	What keyloggers ?What are different types of keyloggers?		CO3	U
Q 2	Solve any **two** questions out of three: (05 marks each)	10		
a)	Explain the significance of Intellectual Property Rights (IPR) in cyberspace with suitable examples.(2M+3M)		CO4	U
b)	Explain defamation ,harassment and email abuse with one real time example..(3M+2M)		CO5	U
c)	What are different types of Information security standard compliances and explain SOX Standards. .(2M+3M)		CO6	U
Q.3	Solve any **two** questions out of three. (10 marks each)	20		
a)	Differentiate between active and passive cyber-attacks with suitable examples.(5M+5M)		CO3	U
b)	Explain GLBA and FISMA Information security standard compliances In details .(5+5)		CO6	U
c)	Explain the role of social engineering in cyber-attacks and discuss methods to prevent it.		CO3	U
Q.4	Solve any **two** questions out of three. (10 marks each)	20		
a)	i)What is Blind SQL Injection, and how does it differ from standard SQL Injection? (5M)		CO3	U

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	b) Describe the difference between buffer overflow and heap overflow attacks with suitable examples.		
b)	Explain the role of search engine optimization (SEO) in e-commerce.	CO4	U
c)	i) Discuss the importance of ISO/IEC 27001 standards in strengthening organizational information security. ii)Explain indian IT Act 2008 article 66 (5M)	CO6	U

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