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

13/12/2022

Nov – Dec 2022
B.Tech Program
Examination: LY Semester: VII
Course Code: PCEILC1056   and   Course Name: Cyber Security and Laws
Duration: 2.5 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)	Define Cybercrime.	2	CO1	U
ii)	Explain the elements of information security.	2	CO1	Ap
iii)	How criminal plans the attack?	2	CO2	Ap
iv)	What are different trends in mobility?	2	CO2	U
v)	Explain various types of keyloggers.	2	CO2	U
vi)	Explain Identity Theft.	2	CO4	U
vii)	List objectives of Information Technology Act, 2000.	2	CO4	Ap
viii)	List the key provisions of the Sarbanes-Oxley Act.	2	CO6	Ap
Q.2	**Solve any four questions out of six.**	16		
i)	Explain the term DoS and DDoS Attacks.	4	CO3	U
ii)	Explain Social Engineering with examples.	4	CO2	An

iii)	Explain password cracking approaches in detail.	4	CO3	An
iv)	How the Indian Penal Code (IPC), 1860, addresses cybercrime	4	CO5	Ap
v)	What is E-Commerce?	4	CO4	U
vi)	Write IT requirements for SOX and HIPAA.	4	CO6	Ap
Q.3	**Solve any Two questions out of three.**	16		
i)	Explain cybercrimes against organization in detail.	8	CO1	Ap
ii)	Explain how intellectual property laws protect the rights of the owner of the intellectual property ?	8	CO4	U
iii)	What is E- Contract ? Discuss E Contract Act 1872.	8	CO5	Ap
Q.4	**Solve any two questions out of three.**	16		
i)	What are some grave cyber law related issues that deserve immediate consideration by the government of Indiav?	8	CO6	Ap
ii)	Demonstrate with one case study example strategies to be implemented to ensure cyber security.	8	CO3	Ap
iii)	Discuss Viruses, Worms and malware that Affect Mobile Telephony. What are the ways to protect them?	8	CO2	Ap

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