

08/12/2022

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

Subject Code: CEDLC7033

Subject Name: Ethical Hacking and Security

Nov /Dec 2022-2023				
(B.Tech.) Program: Computer Engineering				
Examination: LY Semester: VII				
Course Code: CEDLC7033 and Course Name: Ethical Hacking and Security				
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)	Explain the malicious association with respect to wireless network?	2	CO5	2
ii)	Enlist and explain the types of active attacks?	2	CO1	2
iii)	What is buffer overflow attack?	2	CO6	2
iv)	Describe the cross scripting attack?	2	CO3	2
v)	Explain the countermeasures of DDoS?	2	CO4	2
vi)	Explain the major difference between virus and worm?	2	CO2	2
vii)	Enlist the top ten websites vulnerabilities?	2	CO3	2
viii)	List out types of port scanning?	2	CO1	2
Q.2	Solve any four questions out of six.	16		
i)	Explain attack life cycle in detail.	4	CO1	2
ii)	Explain Default script attack in detail.	4	CO3	2
iii)	Describe ad-hoc network and accidental association with respect to wireless network?	4	CO5	2
iv)	Explain Social Engineering attack in detail.	4	CO2	2
v)	Explain DoS attack in detail.	4	CO4	2
vi)	How an Intrusion Detection System works. Explain with an example.	4	CO6	3
Q.3	Solve any two questions out of three.	16		
i)	Explain any 5 footprinting tools.	8	CO1	2

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ii)	Explain cross site request forgery attack. How does it work?	8	CO3	3
iii)	What are the different attacks that can be launched on wireless networks?	8	CO5	3
Q.4	Solve any two questions out of three.	16		
i)	Explain smart phone hacking and prevention steps in detail.	8	CO2	2
ii)	Explain DDoS attack classes and describe the countermeasures for the same.	8	CO4	2
iii)	Explain penetration testing in detail?	8	CO6	2
