



SIDDHARTH INSTITUTE OF ENGINEERING & ECHNOLOGY::PUTTUR
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QUESTION BANK (DESCRIPTIVE)

Subject with Code: Cyber Security (16CS530)

Course & Branch: B.Tech - CSE

Year & Sem: IV-B.Tech & I-Sem

Regulation: R16

UNIT –I
INTRODUCTION TO CYBER SECURITY

1	Who are Cyber Criminals and Explain how they plan the attacks	[L1][CO1]	[12M]
2	Analyze the challenges faced by Cybercafé? Explain in detail	[L4][CO1]	[12M]
3	a List out the sections and rules in IT ACT 2000	[L1][CO1]	[6M]
	b Analyze about the Global perspective of Cyber Crime	[L4][CO1]	[6M]
4	List out the basic Cyber Offences and Summarize it	[L2][CO1]	[12M]
5	What is cybercrime? Explain the classification of cybercrimes.	[L2][CO1]	[12M]
6	a Discuss and Elaborate about Cybercrime	[L6][CO1]	[4M]
	b Discuss and Elaborate about Cyber Stalking	[L6][CO1]	[4M]
	c Discuss and Elaborate about Cybercafés	[L6][CO1]	[4M]
7	What is Social Engineering? Explain each type of Social Engineering in detail?	[L2][CO1]	[12M]
8	a What is Cloud Computing? Classify the types in it and list the advantages	[L4][CO1]	[6M]
	b Discuss the security challenges in Cloud Computing	[L6][CO1]	[6M]
9	What is Cybercrime? Explain the different types of cyber-attacks	[L2][CO1]	[12M]
10	a Show how botnet is created and extend its working	[L2][CO1]	[6M]
	b Summarize about cybercrime in “the Indian perspective”	[L2][CO1]	[6M]

UNIT –II
CYBERCRIME: MOBILE AND WIRELESS DEVICES

1	a	Examine about the Mobility and its Trends	[L4] [CO2]	[6M]
	b	Justify the terms DoS, PDP and how it's used in Cyber Security	[L5] [CO2]	[6M]
2	a	Discuss organizational measures for handling the mobile devices	[L6] [CO2]	[6M]
	b	Importance of security policies related to Hand held devices	[L5] [CO2]	[6M]
3	Compare Mishing, Smishing and Vishing in detail		[L2] [CO2]	[12M]
4	a	Discuss are the Security Challenges posed by Mobile Devices	[L6] [CO2]	[6M]
	b	Summarize the Proliferation (Growth) of Mobile and Wireless Devices	[L2] [CO2]	[6M]
5	a	Explain the types of mobile phone Attacks	[L2] [CO2]	[6M]
	b	List out few Tips to Secure your Cell/Mobile Phone from being Stolen/Lost	[L1] [CO2]	[6M]
6	a	Compare Mobile Computing Vs Wireless Computing	[L5] [CO2]	[6M]
	b	Identify the LDAP Security in mobile computing devices	[L3] [CO2]	[6M]
7	Discuss the Organizational Security policies & Measures for Hand Held Devices		[L6] [CO2]	[12M]
8	a	Select the appropriate techniques used in authentication service security	[L3] [CO2]	[6M]
	b	Explain the attacks on mobile devices	[L2] [CO2]	[6M]
9	Examine the credit card frauds in mobile & wireless devices		[L4] [CO2]	[12M]
10	a	Inference about the Registry Settings for Mobile Devices in detail.	[L4] [CO2]	[6M]
	b	Explain about Cryptographic Security for Mobile Devices	[L2] [CO2]	[6M]

UNIT –III
TOOLS AND METHODS USED IN CYBERCRIME

1	a	Outline the purpose of proxy Server in detail	[L2] [CO3]	[6M]
	b	Who are Anonymizers and how they get affected by scams in cybercrime? Explain	[L1] [CO3]	[6M]
2		Justify various tools and techniques used to launch attacks against the target	[L5] [CO3]	[12M]
3	a	Explain in detail about Spywares and How it harms our machine	[L2] [CO3]	[6M]
	b	Distinguish Virus and Worms? How it harms our machine	[L4] [CO3]	[6M]
4		Define Password Cracking? Explain the tools in password cracking	[L2] [CO3]	[12M]
5		How hacker use the SQL injections to hack the information. Summarize it.	[L2] [CO3]	[12M]
6	a	What is a key logger? How it creates harmful to the users and list out types in it	[L1] [CO3]	[6M]
	b	Elaborate about Spywares in details	[L6] [CO3]	[6M]
7		What is Phishing attack? Justify Phishing attacks with an example	[L5] [CO3]	[12M]
8		Apply the concept of Daniel of Service with an example and Explain	[L3] [CO3]	[12M]
9		Demonstrate buffer overflow? Identify the techniques in it	[L2] [CO3]	[12M]
10		Analyze about various attacks in Wireless Networks	[L4] [CO3]	[12M]

UNIT –IV
CYBERCRIMES AND CYBERSECURITY: THE LEGAL PERSPECTIVE

1	What is cybercrime? Outline the Need and Summarize it.	[L2] [CO4]	[12M]
2	Recall the challenges to Indian cyber laws? Explain with briefly	[L5] [CO4]	[12M]
3	Assess the scenario-based cyber crimes in India	[L5] [CO4]	[12M]
4	What is Digital Signature? How to create it and how it works	[L1] [CO4]	[12M]
5	Elaborate the Amendments to the Indian IT act in details	[L6] [CO4]	[12M]
6	a List and Summarize the types of cybercrimes?	[L2] [CO4]	[6M]
	b Judge the punishment related to cyber crimes in detail	[L5] [CO4]	[6M]
7	Elaborate the Indian IT Act? What are the amendments in Indian IT Act	[L6] [CO4]	[12M]
8	Organize the Global and Indian Perspectives of cybercrimes	[L3] [CO4]	[12M]
9	Discuss the kon-boot password cracking software	[L6] [CO4]	[12M]
10	What are DDoS? Summarize the attacks in it briefly	[L2] [CO4]	[12M]

UNIT –V
UNDERSTANDING COMPUTER FORENSICS

1	a	Define Computer Forensics. Recall the challenges in it.	[L5] [CO5]	[6M]
	b	What is Forensics? Discover its history and background of Cyber Forensics	[L1] [CO5]	[6M]
2		Outline the views of Network Forensics in detail with an example	[L2] [CO5]	[12M]
3		What is Digital Forensics Science? Perceive the digital forensics lifecycle	[L5] [CO5]	[12M]
4		Examine the Forensic Analysis of Email in detail	[L4] [CO5]	[12M]
5		What is Digital Evidence? How Forensic reports are prepared by making use of it.	[L3] [CO5]	[12M]
6		Examine about Sans SIFT and Pro discover forensic tools in detail	[L4] [CO5]	[12M]
7	a	Elaborate the Concepts under Chain of custody.	[L6] [CO5]	[6M]
	b	What is the importance of approaching a Computer Forensics Investigation	[L5] [CO5]	[6M]
8		What is Auditing? Summarize the Forensic Auditing techniques.	[L2] [CO5]	[12M]
9		Organize the plan related to Forensic investigation with real-time scenario	[L3] [CO5]	[12M]
10		Explain any 4 special tools for forensic investigation	[L2] [CO5]	[12M]

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