SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
Siddharth Nagar, Narayanavanam Road – 517583
QUESTION BANK (DESCRIPTIVE)

Subject with Code: Cyber Security (18CS0542)　　　**Course & Branch**: B.Tech – CSE, CSIT

Regulation: R18　　　　　　　　　　　　　**Year & Sem:** IV - B.Tech & I-Sem

UNIT –I
INTRODUCTION TO CYBERCRIME

1	**a**	How Cyber Security helps us from cyber threats.	[L1][CO1]	**[2M]**
	b	What are Cyber Crimes and How these crimes can be minimized?	[L1][CO1]	**[2M]**
	c	Who are Cyber Criminals and what kind of harms done by them	[L1][CO1]	**[2M]**
	d	List out few important laws related to Cyber Crime	[L1][CO1]	**[2M]**
	e	Classify Cybercrimes and brief it with related terms	[L2][CO1]	**[2M]**
2		Inference Cybercrimes Cases of Various Categories under ITA 2000	[L1][CO1]	**[10M]**
3		Discuss and Elaborate about Cybercrime and its related security measures	[L4][CO1]	**[10M]**
4	**a**	List out the sections and rules in IT ACT 2000	[L1][CO1]	**[5M]**
	b	Analyze about the Global perspective of Cyber Crime	[L1][CO1]	**[5M]**
5		What is cybercrime? Explain the classification of cybercrimes.	[L1][CO1]	**[10M]**
6	**a**	Summarize about cybercrime in "the legal perspective"	[L1][CO1]	**[5M]**
	b	Summarize about cybercrime in "the Indian perspective"	[L1][CO1]	**[5M]**
7		Recall the challenges to Indian cyber laws? Explain with briefly	[L1][CO1]	**[10M]**
8		Explain about Information Security Management related to Cyber Security in detail	[L1][CO1]	**[10M]**
9		Compare the 3 different perspectives of Cybercrimes. Legal Vs Global Vs Indian	[L1][CO1]	**[10M]**
10	**a**	Inference Cybercrimes Cases of Various Categories under IPC Section	[L4][CO1]	**[5M]**
	b	Dissect the Incidence of Cybercrimes in Cities in detail	[L4][CO1]	**[5M]**

UNIT –II
CYBER OFFENSES AND BOTNETS

1	**a**	Define Social Engineering and its types	[L1][CO2]	**[2M]**
	b	List out the phases involved in planning Cyber Crime	[L1][CO2]	**[2M]**
	c	What is Botnet and how it is created	[L1][CO2]	**[2M]**
	d	Distinguish the terms "Hackers, Crackers and Phreakers"	[L4][CO2]	**[2M]**
	e	Identify few Security tips for cybercafé to safeguard the victim	[L3][CO2]	**[2M]**
2		List out the basic Cyber Offences and summarize it	[L1][CO2]	**[10M]**
3		Who are Cyber Criminals and explain how they plan the attacks	[L1][CO2]	**[10M]**
4		Discuss and Elaborate about Cyber Stalking with its types	[L6][CO2]	**[10M]**
5		What is Social Engineering? Explain each type of Social Engineering in detail?	[L5][CO2]	**[10M]**
6	**a**	What is Cloud Computing? Classify the types in it and list the advantages	[L2][CO2]	**[5M]**
	b	Discuss the security challenges in Cloud Computing	[L6][CO2]	**[5M]**
7		What is Cybercrime? Explain the different types of cyber-attacks	[L5][CO2]	**[10M]**
8	**a**	Show how botnet is created and brief its usage with clear description	[L2][CO2]	**[5M]**
	b	Discuss about the Fuel for Cybercrime in detail	[L6][CO2]	**[5M]**
9		Analyze the challenges faced by Cybercafe? Explain in detail	[L4][CO2]	**[10M]**
10		Discuss and Elaborate about Cybercafe and how it infers the victims	[L6][CO2]	**[10M]**

UNIT –III
CYBERCRIME AND ATTACKS ON MOBILE/CELL PHONES, MOBILE DEVICES

1	a	What is Smishing and how it defers from Vishing	[L1][CO3]	**[2M]**
	b	Define Spoofed Policy Development Process	[L1][CO3]	**[2M]**
	c	Outline the Threats through Lost and Stolen Devices	[L2][CO3]	**[2M]**
	d	Compare Mobile Computing Vs Wireless Computing	[L5][CO2]	**[2M]**
	e	Distinguish Malwares, viruses and worms	[L4][CO3]	**[2M]**
2	a	Examine about the Mobility and its Trends	[L1][CO3]	**[5M]**
	b	Discuss organizational measures for handling the mobile devices	[L4][CO3]	**[5M]**
3		Importance of security policies related to Hand held devices	[L6][CO3]	**[10M]**
4		Compare Mishing, Smishing and Vishing in detail	[L2][CO3]	**[10M]**
5	a	Discuss the Security Challenges posed by Mobile Devices	[L6][CO3]	**[5M]**
	b	Summarize the Proliferation (Growth) of Mobile and Wireless Devices	[L2][CO3]	**[5M]**
6		Explain the types of mobile phone Attacks	[L2][CO3]	**[10M]**
7	a	Recall on Mobile Viruses with a brief note on it.	[L1][CO3]	**[5M]**
	b	Identify the LDAP Security in mobile computing devices	[L3][CO3]	**[5M]**
8	a	Select the appropriate techniques used in authentication service security	[L3][CO3]	**[5M]**
	b	List out few Tips to Secure your Cell/Mobile Phone from being Stolen/Lost	[L2][CO3]	**[5M]**
9		Examine the credit card frauds in mobile & wireless devices	[L4][CO3]	**[10M]**
10		Inference about the Registry Settings for Mobile Devices in detail.	[L4][CO3]	**[10M]**

UNIT –IV
TOOLS AND METHODS USED IN CYBERCRIME AND PHISHING AND IDENTITY THEFT

1	a	How Phishing works come up with an active example.	[L1][CO4]	**[2M]**
	b	What Is Backdoors and List Out the Functions of it	[L4][CO4]	**[2M]**
	c	What is the role of Proxy Servers and Anonymizers in Phishing	[L4][CO4]	**[2M]**
	d	Define Steganography. How It Differs from Cryptography	[L1][CO4]	**[2M]**
	e	How To Prevent Sql Injection Attacks	[L1][CO4]	**[2M]**
2	a	Outline the purpose of proxy Server in detail	[L2][CO4]	**[5M]**
	b	Who are Anonymizers and how they get affected by scams in cybercrime? Explain	[L1][CO4]	**[5M]**
3	a	What is a key logger? How it creates harmful to the users and list out types in it	[L1][CO4]	**[5M]**
	b	Elaborate about Spywares in details	[L6][CO4]	**[5M]**
4	Justify various tools and techniques used to launch attacks against the target		[L5][CO4]	**[10M]**
5	Define Password Cracking? Explain the tools in password cracking		[L2][CO4]	**[10M]**
6	a	Explain in detail about Spywares and How it harms our machine	[L2][CO4]	**[5M]**
	b	Distinguish Virus and Worms? How it harms our machine	[L4][CO4]	**[5M]**
7	How hacker use the SQL injections to hack the information. Summarize it.		[L2][CO4]	**[10M]**
8	What is Phishing attack? Justify Phishing attacks with an example		[L5][CO4]	**[10M]**
9	Demonstrate buffer overflow? Identify the techniques in it		[L2][CO4]	**[10M]**
10	Apply the concept of Daniel of Service with an example and Explain		[L3][CO4]	**[10M]**

UNIT –V
CYBER SECURITY AND SOCIAL MEDIA MARKETING

1	a	List out the Threats in Insider Attack with example	[L1][CO5]	**[2M]**
	b	What are the types of insiders	[L1][CO5]	**[2M]**
	c	What are the consequences of cybercrimes	[L2][CO5]	**[2M]**
	d	List out the uses of firewalls.	[L4][CO5]	**[2M]**
	e	How to build a Social media marketing?	[L3][CO5]	**[2M]**
2		Explain in detail about organizational implications.	[L2][CO5]	**[10M]**
3		Discuss Web threats for organization on detail	[L6][CO5]	**[10M]**
4	a	What are the types of cookies. Explain in detail	[L2][CO5]	**[5M]**
	b	Discuss how to protect online protection	[L6][CO5]	**[5M]**
5		Explain the cost of crimes in detail with examples	[L5][CO5]	**[10M]**
6		Explain the IPR issues with appropriate laws related to it	[L2][CO5]	**[10M]**
7		Prioritize the theme behind the "Social media marketing tools"	[L5][CO5]	**[10M]**
8	a	Distinguish proactive and reactive approach to security	[L4][CO5]	**[5M]**
	b	Discuss the various types of mobile workers or remote workers.	[L6][CO5]	**[5M]**
9		Explain social computing and associated challenges for organizations	[L2][CO5]	**[10M]**
10		Discuss about security and privacy implications in detail	[L6][CO5]	**[10M]**

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