SIDDARTHA INSTITUTE OF SCIENCE AND TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
Siddharth Nagar, Narayanavanam Road – 517583
QUESTION BANK (DESCRIPTIVE)

Subject with Code: Introduction to Cyber Security (19CS0546)	**Course & Branch**: B.Tech & CSE
Regulation: R19	**Year & Sem:** III & II

UNIT –I
INTRODUCTION TO CYBERCRIME

1		Discuss and Elaborate about Cybercrime and its related security measures	[L2][CO1]	**[12M]**
2		What is cybercrime? Explain the classification of cybercrimes.	[L2][CO1]	**[12M]**
3	a	Define cybercrime and information security.	[L1] [CO1]	**[6M]**
	b	Discuss about who are cybercriminals.	[L2] [CO1]	**[5M]**
4	a	Explain about cybercrime in detail.	[L2] [CO1]	**[6M]**
	b	Describe about who are the cybercriminals in cyber security.	[L2] [CO1]	**[6M]**
5	a	Summarize about cybercrime in "the legal perspective"	[L2] [CO4]	**[6M]**
	b	Summarize about cybercrime in "the Indian perspective"	[L2] [CO4]	**[6M]**
6	a	Justify Indian ITA 2000 act.	[L5] [CO1]	**[6M]**
	b	Classify global perspectives on cybercrimes.	[L4] [CO1]	**[6M]**
7		Recall the challenges to Indian cyber laws? Explain briefly.	[L1] [CO1]	**[12M]**
8		Explain about Information Security Management related to Cyber Security in detail	[L2] [CO1]	**[12M]**
9	a	Illustrate Cybercrimes Cases of Various Categories under IPC Section	[L3] [CO1]	**[6M]**
	b	Dissect the Incidence of Cybercrimes in Cities in detail	[L4] [CO4]	**[6M]**
10		Identify Cybercrimes Cases of Various Categories under ITA 2000	[L3] [CO1]	**[12M]**

UNIT –II
CYBER OFFENSES AND BOTNETS

1		List out the basic Cyber Offences and summarize it	[L1][CO2]	**[12M]**
2		Who are Cyber Criminals and explain how they plan the attacks	[L2][CO3]	**[12M]**
3	a	Discuss about Social Engineering?	[L2][CO2]	**[6M]**
	b	Explain each type of Social Engineering in detail?	[L2][CO2]	**[6M]**
4	a	Discuss about Cyber Stalking	[L2][CO4]	**[6M]**
	b	Explain various types of cyber Stalking	[L2][CO4]	**[6M]**
5	a	Analyze the challenges faced by Cyber cafe? Explain in detail	[L4][CO4]	**[6M]**
	b	Discuss and Elaborate about Cyber cafe and how it infers the victims	[L2][CO4]	**[6M]**
6	a	Explain about BOTNETS.	[L2][CO4]	**[6M]**
	b	Show how botnet is created and brief its usage with clear description	[L2][CO4]	**[6M]**
7	a	Write importance of BOTNETS.	[L1][CO2]	**[6M]**
	b	Discuss about how the BOTNETS are acts as Fuel for Cybercrime in detail	[L2][CO4]	**[6M]**
8		Explain about attack vector in detail	[L2][CO2]	**[12M]**
9	a	Write about Attack vector .	[L1][CO2]	**[6M]**
	b	Discuss about Attack surface.	[L2][CO2]	**[6M]**
10	a	What is Cloud Computing? Classify the types in it and list the advantages	[L4][CO2]	**[6M]**
	b	Discuss the security challenges in Cloud Computing	[L2][CO2]	**[6M]**

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

1	**a**	Compare Mobile Computing Vs Wireless Computing	[L5][CO3]	**[6M]**
	b	Distinguish Malwares, viruses and worms	[L4][CO3]	**[6M]**
2	**a**	Examine about the Mobility and its Trends	[L3][CO6]	**[6M]**
	b	Discuss organizational measures for handling the mobile devices	[L2][CO3]	**[6M]**
3	**a**	Summarize the Proliferation (Growth) of Mobile and Wireless Devices	[L2][CO5]	**[6M]**
	b	Express the importance of security policies related to Hand held devices	[L6][CO5]	**[6M]**
4	**a**	Identify the LDAP Security in mobile computing devices	[L3][CO5]	**[6M]**
	b	Discuss the Security Challenges posed by Mobile Devices	[L2][CO5]	**[6M]**
5	**a**	Explain the types of mobile phone Attacks	[L2][CO3]	**[6M]**
	b	Recall on Mobile Viruses with a brief note on it.	[L1][CO3]	**[6M]**
6		Examine the credit card frauds in mobile & wireless devices	[L4][CO4]	**[12M]**
7	**a**	Select the appropriate techniques used in authentication service security	[L3][CO5]	**[6M]**
	b	List out few Tips to Secure your Cell/Mobile Phone from being Stolen/Lost	[L1][CO5]	**[6M]**
8		Inference about the Registry Settings for Mobile Devices in detail.	[L4][CO6]	**[12M]**
9		Express the steps used in authentication service security.	[L6] [CO5]	**[12M]**
10	**a**	Discuss the attacks on mobile or cell phones	[L2] [CO3]	**[6M]**
	b	Compare Mishing, Smishing and Vishing in detail	[L5][CO3]	**[6M]**

UNIT –IV
TOOLS AND METHODS USED IN CYBERCRIME

1	**a**	Justify various tools used in cybercrime.	[L5][CO4]	**[6M]**
	b	Classify different techniques used in cybercrime.	[L4][CO4]	**[6M]**
2	**a**	Outline the purpose of proxy Server in detail	[L2][CO4]	**[6M]**
	b	Who are Anonymizers and how they get affected by scams in cybercrime? Explain	[L1][CO4]	**[6M]**
3	**a**	What is a key logger? How it creates harmful to the users and list out types in it	[L1][CO4]	**[6M]**
	b	Dissect Spywares in details	[L5][CO4]	**[6M]**
4	**a**	Justify various tools and techniques used to launch attacks against the target	[L5][CO4]	**[6M]**
	b	How hacker use the SQL injections to hack the information. Summarize it.	[L2][CO4]	**[6M]**
5		Define Password Cracking? Explain the tools in password cracking	[L1][CO4]	**[12M]**
6	**a**	Explain in detail about Spywares and How it harms our machine	[L2][CO4]	**[6M]**
	b	Distinguish Virus and Worms? How it harms our machine	[L5][CO4]	**[6M]**
7	**a**	Discuss about Trojan horse and back doors in cyber security.	[L2][CO5]	**[6M]**
	b	Write a notes on stenography.	[L1] [CO4]	**[6M]**
8	**a**	What is Phishing attack? Discuss in detail.	[L1][CO3]	**[6M]**
	b	Justify Phishing attacks with an example.	[L5] [CO3]	**[6M]**
9	**a**	Demonstrate buffer overflow?	[L2][CO4]	**[6M]**
	b	Identify the techniques in buffer overflow.	[L2] [CO4]	**[6M]**
10	**a**	Define DOS and DDOS	[L1][CO4]	**[6M]**
	b	Apply the concept of Daniel of Service with an example and Explain	[L3] [CO4]	**[6M]**

UNIT –V
CYBER SECURITY AND SOCIAL MEDIA MARKETING

1		Explain in detail about organizational implications.	[L2][CO5]	**[12M]**
2		Describe about cost of cybercrimes with examples.	[L2][CO1]	**[12M]**
3	**a**	What are the types of cookies? Explain in detail	[L1][CO5]	**[6M]**
	b	Discuss how to protect online protection	[L2][CO5]	**[6M]**
4	**a**	Explain the cost of crimes in detail with examples	[L2][CO5]	**[6M]**
	b	Write a notes on IPR issues	[L1][CO5]	**[6M]**
5	**a**	Examine Web threats for organization in detail	[L4][CO5]	**[6M]**
	b	List the security and privacy implications in detail	[L1][CO5]	**[6M]**
6		Prioritize the theme behind the "Social media marketing tools"	[L4][CO5]	**[12M]**
7	**a**	Distinguish proactive and reactive approach to security	[L5][CO5]	**[6M]**
	b	Discuss the various types of mobile workers or remote workers.	[L2][CO5]	**[6M]**
8	**a**	What are the security risks in cyber security	[L1][CO5]	**[6M]**
	b	Discuss the perils for organizations	[L2][CO4]	**[6M]**
9		Explain in detail about security risks and perils for organizations.	[L2][CO5]	**[12M]**
10	**a**	Explain social computing for organizations.	[L2][CO5]	**[6M]**
	b	Explain social computing and associated challenges for organizations	[L2][CO5]	**[6M]**

Prepared by: A.Surekha , R.Purushothhaman,CSE,SISTK