



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**

Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

Open Elective

Subject with Code: Introduction to Cyber Security (19CS0546)

Course & Branch:

B.Tech ECE, Civil, EEE, Mech

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][CO6]	[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] [CO6]	[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][CO6]	[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][CO6]	[6M]

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