



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

Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

Professional Elective

Subject with Code: Cyber Security (20CS0533)

Course & Branch: B.Tech – CSE (CAD)

Regulation: R20

Year & Sem: III & II

**UNIT –I
INTRODUCTION TO CYBERCRIME**

1	a	Explain the Cybercrime causes and measures to prevent it.	[L2][CO1]	[6M]
	b	Discuss the challenges faced in Cybercrimes.	[L2][CO1]	[6M]
2		What is Cybercrime? Explain the classification of Cybercrimes.	[L1][CO1]	[12M]
3	a	Define Cybercrime and information security.	[L1] [CO1]	[6M]
	b	Discuss about who are Cybercriminals.	[L2] [CO1]	[6M]
4	a	Explain about Cybercrime in detail.	[L2] [CO1]	[6M]
	b	Describe about who are the Cybercriminals in Cyber security.	[L1] [CO1]	[6M]
5	a	Summarize about Cybercrime in “the legal perspective”.	[L2] [CO1]	[6M]
	b	Summarize about Cybercrime in “the Indian perspective”.	[L2] [CO1]	[6M]
6	a	Justify Indian ITA 2000 act.	[L5] [CO1]	[6M]
	b	Classify global perspectives on Cybercrimes.	[L4] [CO1]	[6M]
7	a	Recall the challenges to Indian Cyber laws? Explain briefly.	[L1] [CO1]	[6M]
	b	List and explain the Cybercrimes against Individual people.	[L1] [CO1]	[6M]
8	a	Explain about Information Security Management related to Cyber Security.	[L2] [CO1]	[6M]
	b	List out some Cyber Security Standards? Explain briefly.	[L1] [CO1]	[6M]
9	a	Illustrate Cybercrimes Cases of Various Categories under Bharatiya Nyaya Sanhita Section.	[L2] [CO1]	[6M]
	b	Dissect the Incidence of Cybercrimes in Cities in detail.	[L4] [CO1]	[6M]
10	a	Identify Cybercrimes Cases of Various Categories under ITA 2000.	[L2] [CO1]	[6M]
	b	Explain why we need to prevent Cybercrimes and uses of Cyber security.	[L2] [CO1]	[6M]

UNIT –II
CYBER OFFENSES AND BOTNETS

1	a	List out some basic Cyber Offences and summarize it.	[L1][CO2]	[6M]
	b	Differences between Active and Passive attacks in Cyber Security.	[L2][CO2]	[6M]
2		Who are Cyber Criminals and explain how they plan the attacks.	[L1][CO2]	[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][CO2]	[6M]
	b	Explain various types of Cyber Stalking.	[L2][CO2]	[6M]
5	a	Analyze the challenges faced by Cyber cafe? Explain in detail.	[L4][CO2]	[6M]
	b	Discuss and Elaborate about Cyber cafe and how it infers the victims.	[L2][CO2]	[6M]
6	a	Explain about BOTNETS.	[L2][CO2]	[6M]
	b	Show how botnet is created and brief its usage with clear description.	[L2][CO2]	[6M]
7	a	Write importance of BOTNETS.	[L2][CO2]	[6M]
	b	Discuss about how the BOTNETS are acts as Fuel for Cybercrime in detail.	[L2][CO2]	[6M]
8	a	Differences between Attack Vector and Attack Surface.	[L2][CO2]	[6M]
	b	Explain about Three main Cloud Computing Services.	[L2][CO2]	[6M]
9	a	Write about Attack vector.	[L2][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.	[L1][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.	[L2][CO3]	[6M]
	b	Distinguish Malwares, viruses and worms.	[L2][CO3]	[6M]
2	a	Examine about the Mobility and its Trends.	[L3][CO3]	[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][CO3]	[6M]
	b	Express the importance of security policies related to Hand held devices.	[L2][CO3]	[6M]
4	a	Identify the LDAP Security in mobile computing devices.	[L2][CO3]	[6M]
	b	Discuss the Security Challenges posed by Mobile Devices.	[L2][CO3]	[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	a	Examine the credit card frauds in mobile & wireless devices.	[L3][CO3]	[6M]
	b	Explain Security Implications for Organizations.	[L2][CO3]	[6M]
7	a	Select the appropriate techniques used in authentication service security.	[L1][CO3]	[6M]
	b	List out few Tips to Secure your Cell/Mobile Phone from being Stolen/Lost.	[L1][CO3]	[6M]
8		Inference about the Registry Settings for Mobile Devices in detail.	[L3][CO3]	[12M]
9	a	Express the steps used in authentication service security.	[L2][CO3]	[6M]
	b	Explain some Organizational Measures for Handling Mobile devices.	[L2][CO3]	[6M]
10	a	Discuss the attacks on mobile or cell phones.	[L2][CO3]	[6M]
	b	Compare Mishing, Smishing and Vishing in detail.	[L2][CO3]	[6M]

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

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.	[L4][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.	[L2][CO4]	[6M]
7	a	Discuss about Trojan horse and back doors in Cyber security.	[L2][CO4]	[6M]
	b	Write a notes on stenography.	[L1][CO4]	[6M]
8	a	What is Phishing attack? Discuss in detail.	[L1][CO4]	[6M]
	b	Justify Phishing attacks with an example.	[L5][CO4]	[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 Denial of Service with an example and Explain.	[L3][CO4]	[6M]

UNIT –V
CYBER SECURITY AND SOCIAL MEDIA MARKETING

1	a	Explain in detail about organizational implications.	[L2][CO5]	[6M]
	b	Explain about Insider threats with examples.	[L2][CO5]	[6M]
2	a	Describe about cost of Cybercrimes with examples.	[L2][CO5]	[6M]
	b	Explain the four key dimensions of privacy.	[L2][CO5]	[6M]
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][CO5]	[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]

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