SIDDHARTH INSTITUTE OF ENGINEERING AND TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
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QUESTION BANK (DESCRIPTIVE)

Subject with Code: Cyber Security (20CS0533)   **Course & Branch**: B.Tech CSIT

Regulation: R20   **Year & Sem:** III & I

UNIT –I
INTRODUCTION TO CYBERCRIME

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

UNIT –II
CYBER OFFENSES AND BOTNETS

1	a) List out the basic Cyber Offences.	[L1][CO2]	[2M]
	b) Summarize the Cyber Offences with example.	[L2][CO2]	[10M]
2	a)List the steps in cyber attack planning.	[L1][CO3]	[2M]
	b) Explain how Cyber Criminals plan the attacks.	[L4][CO3]	[10M]
3	a) What is Social Engineering?	[L1][CO2]	[2M]
	b) List out the types of Social engineering.	[L1][CO2]	[2M]
	c) Explain the following Social Engineering in detail. i) Human based social engineering ii) Computer based social engineering	[L2][CO2]	[8M]
4	a) What is cyber stalking?	[L1][CO4]	[2M]
	b) Explain various types of cyber Stalking attack.	[L2][CO4]	[10M]
5	a) Define the cyber café. Analyze the challenges faced by Cyber café and Explain in detail.	[L6][CO4]	[4M]
	b) Discuss and Elaborate the Cyber cafe and how it infers the victims.	[L2][CO4]	[4M]
	c) What are the security measures for the cyber café.	[L1][CO4]	[4M]
6	a) Define the botnet.	[L1][CO4]	[2M]
	b) Show how botnet is created and brief its usage with clear description.	[L1][CO4]	[10M]
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	Define Attack vector . Explain various ways the attacker uses to exploit the system	[L4][CO2]	[12M]
9	a) Discuss about Attack surface.	[L2][CO2]	[6M]
	b) What is Cloud Computing? Classify the types in it and list the advantages.	[L4][CO2]	[6M]
10	a) Discuss the security challenges in Cloud Computing.	[L2][CO2]	[6M]
	b) Describe the security challenges and security measures in Cloud Computing.	[L2][CO2]	[6M]

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

1	a) Define Mobile Computing and Wireless Computing	[L1][CO3]	[4M]
	b) Compare Mobile Computing Vs Wireless Computing	[L5][CO3]	[8M]
2	a) Summarize the Proliferation of Mobile and Wireless Devices	[L2][CO5]	[6M]
	b) Examine about the Mobility and its Trends	[L3][CO6]	[6M]
3	a) Distinguish Malwares, viruses and worms	[L4][CO3]	[4M]
	b) Examine the credit card frauds in mobile & wireless devices	[L4][CO4]	[8M]
4	a) Discuss the Security Challenges posed by Mobile Devices.	[L2][CO5]	[4M]
	b) What is LDAP? Identify the LDAP Security in mobile computing devices.	[L3][CO5]	[3M]
	c) Inference about the Registry Settings for Mobile Devices in detail.	[L4][CO6]	[5M]
5	a) Express the steps used in authentication service security.	[L6] [CO5]	[8M]
	b) Select the appropriate techniques used in authentication service security.	[L3][CO5]	[4M]
6	Discuss organizational measures for handling the mobile devices	[L2][CO3]	[12M]
7	Express the importance of security policies related to Hand held devices	[L6][CO5]	[12M]
8	Explain the types of mobile phone Attacks	[L2][CO3]	[12M]
9	a) Recall on Mobile Viruses with a brief note on it.	[L1][CO3]	[8M]
	b) List out few Tips to Secure your Cell/Mobile Phone from being Stolen/Lost	[L1][CO5]	[4M]
10	a) Discuss various threats 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 attack.	[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	Define Password Cracking. Explain the tools in password cracking	[L1][CO4]	**[12M]**
4	What is a key logger? How it creates harmful to the users and list out types in it	[L1][CO4]	**[12M]**
5	a) Define spyware. Describe the Spywares in details and explain how it harms our machine	[L5][CO4]	**[6M]**
	b) Distinguish Virus and Worms. Describe how it harms our machine	[L5][CO4]	**[6M]**
6	a)What is Trojan horse attack?	[L1][CO5]	**[2M]**
	b) Explain Trojan horse attack with example in cyber security.	[L2][CO5]	**[10M]**
7	a) What are back doors? Explain how back doors are used to attack information.	[L2][CO5]	**[6M]**
	b) Give definition of stenography. Discuss the stenography with example.	[L1] [CO4]	**[6M]**
8	a) Define DOS and DDOS	[L1] [CO4]	**[6M]**
	b) Apply the concept of Daniel of Service with an example and Explain	[L6] [CO4]	**[6M]**
9	a) How hacker use the SQL injections to hack the information. Summarize it.	[L2][CO6]	**[6M]**
	b) Demonstrate buffer overflow.	[L2][CO4]	**[6M]**
10	a) What is Phishing attack? Justify Phishing attacks with an example.	[L5] [CO3]	**[6M]**
	b) Identify the techniques in buffer overflow.	[L2] [CO6]	**[6M]**

UNIT –V
CYBER SECURITY AND SOCIAL MEDIA MARKETING

1	Discuss the various organizational implications with example.	[L2][CO5]	**[12M]**
2	Describe the cost of cybercrimes with examples.	[L2][CO5]	**[12M]**
3	a) Define cookies.	[L1][CO5]	**[2M]**
	b) What are the types of cookies?	[L1][CO5]	**[2M]**
	c) Explain types of cookies in detail.	[L4][CO5]	**[8M]**
4	a) What is IPR?	[L1][CO5]	**[2M]**
	b) Describe various issues in IPR .	[L2][CO5]	**[10M]**
5	Examine Web threats for organization in detail.	[L4][CO6]	**[12M]**
6	a) List the security and privacy implications in detail	[L1][CO5]	**[6M]**
	b) Prioritize the theme behind the "Social media marketing tools"	[L4][CO5]	**[6M]**
7	a) What are the security risks in cyber security explain them.	[L1][CO5]	**[6M]**
	b) Distinguish proactive and reactive approach to security	[L5][CO5]	**[6M]**
8	Discuss the perils for organizations	[L2][CO4]	**[12M]**
9	Demonstrate the social computing for organizations.	[L2][CO5]	**[12M]**
10	Describe social computing and associated challenges for organizations	[L2][CO6]	**[12M]**

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