Unit 1

Question	Mark
Outline the Cyber Crime	2
Compare the classification of cyber crime	2
Define Social Engineering.	2
Outline Computer Crime with an example	2
Specify the Phases involved in planning cybercrime	2
Define Cyberlaw.	2
Define phishing.	2
Outline cyberstalking and Give some real time example.	2
Define smishing and list its effects on the System.	2
Predict the steps to launched the attack after the scanning and enumeration.	2
Define the term cyber offense with a real time example	2
Differentiate vishing and smishing.	2
Differentiate active and passive attack.	2
Justify the categories of cyber crime with example.	2
Define Active reconnaissance and write how to protect our system from attacks.	2
Explain in detail about cybercrime and Indian ITA 2000 .	15
Describe the concept of Global perspective on cybercrimes with suitable laws.	15
Explain the Cybercrime and its classification with suitable examples.	15
With suitable illustration explain how criminal plan the attacks.	15
Describe in detail about Social Engineering with real time example.	8
Outline the types of Cyberstalkers.	8
Clarify the sections and punishments in Indian IT act and Amendment passed by the president at 2009.	8
Describe the five most common attack types that social engineers use to target their victims with an example.	8
Discuss in detail about cyber law and Intellectual properties in Legal perspective .	7
Describe cyber crime attacks.	7
Explain Information Act 2000.	7
Compare Passive and Active attacks and write how the organization protect the information from the attacks.	7

Unit 2

Question	Mark
Outline mobile phone theft and its countermeasures.	2
Define packet sniffing.	2
Specify the factors that contribute to outbreaks on mobile devices	2
Define the term mobile computing with its types.	2
Lists the popular types of attacks against 3G mobile networks	2
State the purpose of Distributed Denial of Service (DDoS) attacks with an example.	2
Define PDA with appropriate examples	2
Predict the importance of Mobile and wireless devices in cybercrime.	2
Outline cyberterrorism with a suitable section to file the case	2
Compare viruses and worms.	2
Predict the use of warning labels and stamp in mobile phones.	2
Predict the security challenges posed by mobile devices.	2
Predict the tools used for social media marketing.	2
Justify social media marketing with an example.	2
Outline the Logical and access controls in laptop.	2

Explain the trends in mobility with suitable diagram and also the attacks on Mobile phones.	15
Explain in detail about the Organizational Policies for the use of Mobile Hand-Held Devices and how the laptops protect from Cybercrimes.	15
Outline Security implications with an example.	15
Explain in detail about Laptop and its security issues.	15
Describe the types of attacks against 3G mobile networks with an example.	8
Discuss about the Attacks on Mobile-Cell Phones with an example.	8
Describe about Security and privacy implications from cloud computing	8
Describe Organizational Measurement for Handling Mobile without security issues.	8
Outline the Authentication service security.	7
predict the Operating Guidelines for Implementing Mobile Device Security Policies	7
Justify the Physical Security Countermeasures of Laptops.	7
Describe malwares with the few examples.	7
Unit 3	
Question	
Outline how the proxy server control the complexity.	
List the advantages of an antikeylogger.	
List the advantages of Proxyserver in terms of response time.	
Define sofware keylogger with an example	
Compare Virus and Worms.	
Justify how the Virus spreads through the Internet.	
Differentiate key loggers and spywares.	
Predict the process of generating a strong password.	
Predict the methods used to analyse the password cracking.	
Justify how phishing works.	
Explain the methods used in Phishing and Password cracking attacks and predict the tools employed to analyze these attacks?	
Explain key loggers and spywares with suitable example.	
Discussing the types of viruses and outlining methods to protect the system from viruses.	
Predict the tools used by cyber criminals to capture the required information from the computer system.	
Describe about Proxy server and anonymizes and analyze how it facilitating access to content on the world wide web.	
Predict tools used to spread viruses through the internet with neat diagram.	

Unit	Chapter	Question	Mark
3	1	Outline Trojan Horse with an example	2
3	1	Mention the Functions of Backdoor.	2
3	1	Define 802.11 networking standards.	2
3	1	Differentiate Dos and DDoS attack.	2
3	1	It is a key tool used by both organizations and individuals to help route, monitor, and secure web browsing. Predict the suitable component based on the statement.	2
3	1	Compare Trojan Horse and Backdoor.	2
3	1	Define WIFI hotspot and identify which IEEE standard is used for WIFI.	2
3	1	Justify how 2-way Handshaking is implemented in real time network communication system	2
3	1	Consider an attack happended in an organization.You are asked to identify the tools used by intruders to launch the DoS Attack with suitable justifications.	15
3	1	You are developing a web site to a company with all security features. Enumerate Trojan Horse and Backdoor attacks and how you will build the web site to avoid it.	15
3	1	Explain the importance of wireless network in cyberattack and the steps involved in securing a wireless network	8
3	1	Explain Steganography with its working principle.	8
3	1	Explain DDoS attack and how to protect from it.	7
3	1	Predict the steps to secure the wireless Network.	7
4	1	List the Characteristics of Information Security.	2
4	1	Outline Information System with its components	2
4	1	State principles of information security.	2
4	2	Name some of the popularly used SDLC Models	2
4	1	Identify the components of information system.	2
4	2	State the purpose of SDLC.	2
4	2	Define Secure SDLC.	2
4	2	Justify the Waterfall Model and outline its associated steps.	2
4	2	Mention the role of secSDLC.	2
4	2	Differentiate Logical Design phase and Physical Design Phase.	2
4	1	Compare Information security and Cyber security	2
4	1	Justify CNSS model with an example.	2
4	2	How can one effectively balance the priorities of Information Security and Access within an organization?	2
4	2	Outline the security challenges that arise when information systems are interconnected to form local area networks (LANs) and subsequently connected to external networks	2
4	1	How does authenticity of information play a crucial role in ensuring data integrity and security?	2
4	1	Explain the components of Information Security.	15
4	2	Enumerate the various phases involved in SDLC.	15
4	2	Predict the phases involved in Secure SDLC.	15
4	1	Clarify the components of CNSS security model with neat diagram.	15
4	1	Explain the characteristics of Information Security with a neat diagram.	8
4	2	Compare SDLC and Secure SDLC	8
4	1	Outline the Mccumber Cube with an real time database of university.	8
4	2	Predict potential challenges in balancing Information Security and Access in an organizational setting.	8
4	1	Describe CNSS Security model of university database.	7
4	2	Describe the challenges faced during the implementation of the SDLC?	7
4	2	Enumerate the role of security testing and code review in the Secure SDLC process	7
4	1	How do Confidentiality, Availability, and Integrity play an important role in Information Security?	7
5	1	Define threat.	2
5	1	Justify the needs for security.	2
5	1	Define Espionage with an example.	2
5	1	Specify the need for cyber security policies.	2
5	1	Outline the significance of information security	2
5	2	Mention the ethical issues in cybersecurity	2
5	1	Outline the term trespass in security investigation threats and its effects .	2

5	2	Specify some of the categories of threat with suitable example.	2
5	1	Specify the types of laws and explain it in short	2
5	2	State the CFA act.	2
5	2	Mention the two key Canadian privacy laws.	2
5	2	Differentiate between the term Laws and Ethics.	2
5	2	Justify the secure software development process.	2
5	2	Justify Ethics and Information Security in healthcare organization.	2
5	2	Predict an issues in WTO TRIPS agreement	2
5	1	Enumerate cyber security threats with an appropriate example in detail.	15
5	2	Explain in detail about secure software development and identify the solution to command injection problem.	15
5	2	Justify laws and ethics, and predict what measures the organization takes to reduce liability.	15
5	1	Explain ethics and information security in order to examine the levels of tolerance for misuse of corporate resources.	15
5	2	Justify the needs for information security in organization.	8
5	1	Describe International Laws and Law bodies and its Agreement on Trade-Related Aspects of Intellectual Property Rights	8
5	1	Describe the Deliberate Software Attacks with an example.	8
5	2	Explain Software license infringement with an example.	8
5	1	Justify the needs of business with an example.	7
5	1	Describe categories of threat and its effects.	7
5	2	Explain the Digital Millennium Copyright Act with its provisions.	7
5	2	Describe Software design principles and identify Software Development Security Problems with an real time example.	7