SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

SRM Nagar, Kattankulathur – 603 203

DEPARTMENT OF CYBER SECURITY

QUESTION BANK



1923501 – CYBER SECURITY & DIGITAL FORENSICS

Regulation – 2019

Academic Year 2022-2023 (Odd Semester)

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SUBJECT: 1923501 - CYBER SECURITY & DIGITAL FORENSICS SEM/YEAR: V / III

UNIT I - INTRODUCTION TO CYBER SECURITY

Introduction – Computer Security – Threats – Harm – Vulnerabilities – Controls – Authentication – Access Control and Cryptography – Web—User Side – Browser Attacks – Web Attacks Targeting Users – Obtaining User or Website Data – Email Attacks.

| | PART - A | | | | | |
|------|--|-------|---------------|--|--|--|
| Q.No | Question | Level | Competence | | | |
| 1 | Explain Computer Security? | BTL3 | Applying | | | |
| 2 | Point out the assets that deserves security protection. | BTL4 | Analyzing | | | |
| 3 | List the three aspects that make the system valuable. | BTL1 | Remembering | | | |
| 4 | Discuss values of assets with a relevant example of your own. | BTL2 | Understanding | | | |
| 5 | Interpret the term Access Control. | BTL2 | Understanding | | | |
| 6 | List the properties of C-I-A traid. | BTL1 | Remembering | | | |
| 7 | Define Vulnerability. | BTL1 | Remembering | | | |
| 8 | List the kinds of Threats. | BTL1 | Remembering | | | |
| 9 | Explain about access control on reference monitors | BTL2 | Understanding | | | |
| 10 | Define Threat. | BTL1 | Remembering | | | |
| 11 | Generalize your view about control. | BTL6 | Creating | | | |
| 12 | Analyze Risk Management. | BTL4 | Analyzing | | | |
| 13 | Define cryptography. | BTL3 | Applying | | | |
| 14 | List the components of the digital signature. | BTL2 | Understanding | | | |
| 15 | Write a note on RSA algorithm. | BTL3 | Applying | | | |
| 16 | When does overflow occur? | BTL5 | Evaluating | | | |
| 17 | List the ways to deal with Harm. | BTL1 | Remembering | | | |
| 18 | Define backdoor. | BTL4 | Analyzing | | | |
| 19 | Explain the term Malware. | BTL6 | Creating | | | |
| 20 | Write a note on working of virus detectors. | BTL5 | Evaluating | | | |
| 21 | Give the list of authentication mechanisms to confirm an user's identity. | BTL1 | Remembering | | | |
| 22 | Name some types of browser attacks. | BTL1 | Remembering | | | |
| 23 | Differentiate between Authentication and Identification. | BTL4 | Analyzing | | | |
| 24 | Write a note on i) web bugs ii) click jacking. | BTL1 | Remembering | | | |
| 25 | List the independent classes of Control. Give example of each type of control. | BTL2 | Understanding | | | |

| | PART – B | | | | |
|------|---|-------|-------------|--|--|
| Q.No | Question | Level | Competence | | |
| 1 | Explain Method- Opportunity-Motive. (13) | BTL1 | Remembering | | |
| | (i) Distinguish between vulnerability, threat, and control. (06) | | | | |
| 2 | (ii) Do you currently use any computer security control measures? If so, | BTL1 | Remembering | | |
| | what? Against what attacks are you trying to protect? (07) | | | | |
| 3 | Theft usually results in some kind of harm. For example, if someone steals | BTL1 | Remembering | | |
| | your car, you may suffer financial loss, inconvenience (by losing your mode | | | | |
| | of transportation), and emotional upset (because of invasion of your personal | | | | |

| | Property and space). List three kinds of harm a company might experience theft of computer equipment. | efrom (13) | | |
|----|--|----------------------|-------|---------------|
| 4 | Write a brief note on CIA triad with their respective criteria. | | BTL2 | Understanding |
| 5 | Discuss vulnerabilities and countermeasures to overcome in detail. | | BTL2 | Understanding |
| 6 | Give a brief note on authentication and its mechanism to confirm a user's identity. | (13) | BTL1 | Remembering |
| 7 | Explain i) Password usage ii) Password attacks iii) Protecting password attacks | (05) (04) (04) | | Applying |
| | Briefly explain | | BTL4 | Analyzing |
| 8 | i) Problems with Use of Biometricsii) False positive and false negative | (07) (06) | | |
| 9 | Discuss | | BTL4 | Analyzing |
| | i) Federated Identity Management scheme | (07) |) | |
| | ii) Effective Policy Implementation | (06) | | |
| 10 | i)Distinguish between Procedure-Oriented and Role-Based AccessContrii)List the advantages and disadvantages of stream and block encryption algorithms. | (6) | BTL2 | Understanding |
| 11 | Explain Cryptography and its types in detail. | (13) | BTL3 | Applying |
| 12 | Give a brief note on i) Addressing potential problems of vulnerability in an application ii) Time-of-Check to Time-of-Use | (07) (06) | | Creating |
| 13 | Discuss malware and Types of Malicious Code | (13) | BTL 5 | Evaluating |
| 14 | Explain the harms caused by the malicious codes to various subjects | (13) | BTL4 | Analyzing |
| 15 | Write a brief note on attacks seeking sensitive data. | (13) | BTL4 | Analyzing |
| 16 | Discuss i) Web bugs ii) Clickjacking iii) Drive-by-download | (04) (04) (05) | | Creating |

| | 17 | Write a note on attacks through e-mail. (1) | 3) E | BTL4 | Analyzing |
|---|----|--|------|------|-----------|
| Ī | 18 | Explain types of attacks in the web-user side in detail. (13 | B) E | BTL6 | Creating |
| | | | | | |

| | PART – C | | | | |
|------|---|-------|------------|--|--|
| Q.No | Question | Level | Competence | | |
| 1 | Write a brief note on DES: Data Encryption Standard | BTL5 | Evaluating | | |
| 2 | Explain in detail about Signatures and how it is used? | BTL6 | Creating | | |
| 3 | Discuss Email Attacks in details with suitable examples. | BTL6 | Creating | | |
| | Give a brief on countermeasures for user and security with respect to | BTL5 | Evaluating | | |
| 4 | malware attacks. | | | | |
| 5 | Write a brief note on AES: Advanced Encryption System | BTL5 | Evaluating | | |

UNIT II - SECURITY IN OPERATING SYSTEM & NETWORKS

Security in Operating Systems – Security in the Design of Operating Systems –Rootkit – Network security attack – Threats to Network Communications – Wireless Network Security – Denial of Service – Distributed Denial – of –Service.

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| Q.No | Question | Level | Competence |
|------|--|-------|---------------|
| 1 | Define Operating System. | BTL1 | Remembering |
| 2 | Analyze about Object Sanitization. | BTL4 | Analyzing |
| 3 | What is Rootkit? | BTL2 | Understanding |
| 4 | What are the advantages of Multitasking? | BTL1 | Remembering |
| 5 | Brief about Sandbox. | BTL5 | Evaluating |
| 6 | Discuss about Kernel and list its functions. | BTL2 | Understanding |
| 7 | Analyze the term Honeypot. | BTL6 | Creating |
| 8 | List the types of Threats in Network Communications. | BTL1 | Remembering |
| 9 | Explain "Trusted Systems" and the user's expectations towards the Trusted Systems. | BTL2 | Understanding |
| 10 | What are the dimensions of concerns about Packet Sniffing. | BTL1 | Remembering |
| 11 | Analyze the Segmentation Concept. | BTL6 | Creating |
| 12 | Define Hypervisor. | BTL 3 | Applying |
| 13 | Generalize on the factors of Paging. | BTL4 | Analyzing |
| 14 | Differentiate between Substitution attack and insertion attack. | BTL1 | Remembering |
| 15 | Define Fence. | BTL3 | Applying |
| 16 | Define Frame and what are the fields present in a frame? | BTL5 | Evaluating |
| 17 | Explain Session Hijack. | BTL1 | Remembering |
| 18 | What are Zombies? | BTL2 | Understanding |
| 19 | Generalize Reference Monitor. | BTL3 | Applying |
| 20 | What are the effects of Splicing. | BTL4 | Analyzing |
| 21 | Analyze the term "Wire Tapping". | BTL1 | Remembering |
| 22 | Explain how TCB (Trusted Computing Base) works. | BTL1 | Remembering |
| 23 | List the vulnerabilities in Wireless Networks. | BTL2 | Understanding |

| 24 | Analyze WEP. | BTL4 | Analyzing |
|----|----------------------------|------|---------------|
| 25 | Discuss about DoS Attacks. | BTL2 | Understanding |

| | PART - B | | | |
|------|--|------------------------------|-------|---------------|
| Q.No | Question | | Level | Competence |
| 1 | i)Explain the Structure of Operating System. | (05) | BTL1 | Remembering |
| | ii) List and explain the security features of an Operating System. | (08) | | |
| 2 | Elaborate the History of operating System. | (13) | BTL2 | Understanding |
| 3 | Describe in detail about the layered design of Operating System to prot | ect | BTL1 | Remembering |
| | objects. | (13) | | |
| 4 | Discuss about the tools used to implement security functions in an Operating | System. (13) | BTL3 | Applying |
| 5 | Explain the Concept Segmentation in detail. | (13) | BTL2 | Understanding |
| 6 | i) Elaborate Paging. | (08) | BTL1 | Remembering |
| | ii)Brief "Combined Paging with Segmentation". | (05) | | |
| 7 | Describe about the Kernelized design of Operating System in detail. | (13) | BTL3 | Applying |
| 8 | i)What are Trusted Systems? List its Characteristics.ii) Brief the History of Trusted Systems. | (06) (07) | BTL4 | Analyzing |
| 9 | List and elaborate the Functions of Trusted Computing Base (TCB), its Design Implementation. | . , | BTL4 | Analyzing |
| 10 | Discuss in detail about Rootkits. | (13) | BTL2 | Understanding |
| 11 | Brief the Network Terms: | | BTL1 | Remembering |
| | i) Cable | (03) | | |
| | ii) Packet Sniffing | (03) | | |
| | iii) Radiation | (03) | | |
| | iv) Cable Splicing | (04) | | |
| 12 | Briefly explain Addressing and Routing. | (13) | BTL6 | Creating |
| 13 | List and elaborate the Threats to Network Communications. | (13) | BTL2 | Understanding |
| 14 | Brief Port Scanning. What are the Port Scanning Tools used? Discuss about Port Scanning Results. Brief the harms from Port Scanning. | (02) (03) (04) (04) | BTL4 | Analyzing |

| 15 | Explain in detail about how security is applied to Wireless Networks. | (13) | BTL5 | Evaluating |
|----|---|------|------|------------|
| 16 | List and explain the vulnerabilities in Wireless Networks. | (13) | BTL6 | Creating |
| 17 | Explain in detail about the Failed Counter Measure : WEP. | (13) | BTL5 | Evaluating |
| 18 | Describe in detail about Denial of Service Attacks. | (13) | BTL3 | Analyzing |

| | PART – C | | | | |
|------|---|------|-------|------------|--|
| Q.No | Question | | Level | Competence | |
| 1 | Explain the Denial Of Service by addressing Failures in detail. | (15) | BTL6 | Creating | |
| 2 | Describe in detail about Traffic Redirection. | (15) | BTL5 | Evaluating | |
| 3 | Explain in detail about | | BTL5 | Evaluating | |
| | i)TCP Hijack. | (07) | | | |
| | ii) Session Hijack. | (08) | | | |
| 4 | Explain how WPA is a stronger Protocol suite. | (15) | BTL6 | Creating | |
| 5 | Explain in detail about Distributed DoS Attacks. | (15) | BTL5 | Evaluating | |

UNIT – III : DEFENCES: SECURITY COUNTERMEASURES

Cryptography in Network Security – Firewalls – Intrusion Detection and Prevention Systems – Network

Management – Databases – Security Requirements of Databases – Reliability and Integrity – Database

Disclosure – Data Mining and Big Data.

| | PART – A | | | | | |
|------|---|-------|------------|--|--|--|
| Q.No | Question | Level | Competence | | | |
| 1 | Define Cryptography. | BTL1 | Remember | | | |
| 2 | List the two classes of Encryption | BTL1 | Remember | | | |
| 3 | Why is Network Encryption needed? What are the modes of Network Encryption? | BTL4 | Analyze | | | |
| 4 | What is a Firewall? | BTL1 | Remember | | | |
| 5 | Explain about Guard. How does it work? | BTL5 | Evaluate | | | |
| 6 | Analyze what firewalls can / cannot block? | BTL4 | Analyze | | | |
| 7 | Define Onion Routing. | BTL1 | Remember | | | |
| 8 | What do you mean by ESP? Why is it formed? | BTL6 | Create | | | |
| 9 | Why is VPN created? | BTL5 | Evaluate | | | |
| 10 | Summarize two styles of Intrusion Detection | BTL2 | Understand | | | |
| 11 | List the goals of Intrusion Detection System. | BTL1 | Remember | | | |
| 12 | Classify the types of IDS. | BTL3 | Apply | | | |
| 13 | Discover the limitations of IDS. | BTL3 | Apply | | | |
| 14 | Define Database. | BTL1 | Remember | | | |

| 15 | Give the components of Databases. | BTL2 | Understand |
|----|---|------|------------|
| 16 | Analyze Select-Project-Join query. | BTL4 | Analyze |
| 17 | Demonstrate the factors which can make data sensitive. | BTL3 | Apply |
| 18 | Discuss how Network Management is implemented? | BTL2 | Understand |
| 19 | Assess the various types of Disclosures. | BTL5 | Evaluate |
| 20 | Summarize Direct Inference. | BTL2 | Understand |
| 21 | Discuss about Direct Attack. | BTL2 | Understand |
| 22 | Demonstrate Data mining. | BTL3 | Apply |
| 23 | Analyze Security versus Precision. | BTL4 | Analyze |
| 24 | What do you mean by Big Data? | BTL1 | Remember |
| 25 | Data on activities or behavior abound. Are they accurate? | BTL6 | Create |

| PART – B | | | | | |
|----------|--|------|-------|-------------|--|
| Q.No | Question | | Level | Competence | |
| 1 | List the Modes of Network Encryption and discuss in detail. | (13) | BTL1 | Remember | |
| 2 | Compare the various Encryption Methods. | (13) | BTL4 | Analyze | |
| 3 | Explain the concept of Browser Encryption. | (13) | BTL1 | Remember | |
| 4 | Demonstrate Virtual Private Networks in detail. | (13) | BTL3 | Apply | |
| 5 | Illustrate the design of Firewalls in detail. | (13) | BTL3 | Apply | |
| 6 | Demonstrate the various types of Firewalls in detail. | (13) | BTL3 | Remembering | |
| 7 | a) List the various types of Firewalls. | (03) | BTL2 | Understand | |
| | b) Compare the various types of Firewalls. | (10) | | | |
| 8 | Summarize the Intrusion Detection and Prevention System. | (13) | BTL2 | Understand | |
| 9 | Discuss in detail about Network Management. | (13) | BTL2 | Understand | |
| 10 | Analyze Data Loss Prevention. | (13) | BTL4 | Analyze | |
| 11 | Describe the Model of Intrusion Detection System. | (13) | BTL1 | Remember | |
| 12 | List and explain the various types of IDS. | (13) | BTL1 | Creating | |
| 13 • | a) Elaborate Onion Routing. | (06) | BTL5 | Evaluate | |
| • | b) With a neat sketch, explain the system architecture of VPN. | (07) | | | |
| 14 | a) List the advantages of using Databases. | (05) | BTL5 | Evaluate | |
| • | b) Assess the security requirements of Databases. | (08) | | | |
| 15 • | Describe in detail about Reliability and Integrity in Databases. | (13) | BTL2 | Understand | |
| 16 • | Describe the concept of Database Disclosure in detail. | (13) | BTL1 | Remember | |
| 17 • | Elaborate Data Mining and Big Data. | (13) | BTL5 | Evaluate | |
| 18 • | Analyze Big Data Application Framework: Apache Hadoop. | (13) | BTL4 | Analyze | |

| | PART – C | | | | | |
|------|--|------|-------|------------|--|--|
| Q.No | Question | | Level | Competence | | |
| | Summarize how IPsec implements encryption and authentication in the Internet | | | | | |
| 1 | protocols. | (15) | BTL5 | Evaluate | | |
| | Explain (i) Stateful Inspection Firewall. | (05) | BTL5 | Evaluate | | |
| 2 | (ii) Application Proxy | (05) | | | | |
| | (iii) Personal Firewall | (05) | | | | |
| 3 | Explain Two-Phase Update with an Example. | (15) | BTL5 | Evaluate | | |

| 4 | Formulate the major security issues dealt with at each level of the OSI protocol stack. (15) | BTL6 | Create |
|---|---|------|--------|
| | Design a Network load balancing which directs incoming traffic to resources with | BTL6 | Create |
| 5 | available capacity. (15) | | |

UNIT IV - DIGITAL FORENSICS

Introduction to Digital Forensics, Open Source Examination Platform – Using Linux and Windows as the Host, Disk and File System Analysis, Media Analysis Concepts, Sleuth Kit, Partitioning and Disk Layouts, Special Containers, Hashing, Forensic Imaging, Internet Artifacts, Browser & Mail Artifacts, File Analysis, Image, Audio, Video, Archives, Documents, Graphical Investigation Environments, PyFLAG, Fiwalk, Forensic Ballistics and Photography, Face, Iris and Fingerprint Recognition.

| | PART – A | | | | |
|------|---|-------|---------------|--|--|
| Q.No | Question | Level | Competence | | |
| 1 | What is Digital Forensics? | BTL-1 | Remember | | |
| 2 | What is computer Forensics? | BTL-1 | Remember | | |
| 3 | Define Forensics Readiness. | BTL-1 | Remember | | |
| 4 | What are the uses of computer Forensics? | BTL-1 | Remember | | |
| 5 | Recall Digital Forensics analysis? | BTL4 | Analyze | | |
| 6 | Explain the three A's of digital forensics? | BTL3 | Apply | | |
| 7 | Describe Media Analysis Concepts. | BTL2 | Understand | | |
| 8 | Explain Sleuth Kit. | BTL5 | Evaluating | | |
| 9 | List the purpose of Sleuth Kit. | BTL3 | Applying | | |
| 10 | What is Forensics imaging. | BTL3 | Applying | | |
| 11 | What is RAID? | BTL5 | Evaluating | | |
| 12 | List out the Traditional problems associated with Computer Crime. | BTL6 | Creating | | |
| 13 | List the Levels of RAID. | BTL1 | Remembering | | |
| 14 | What is hashing? | BTL6 | Creating | | |
| 15 | Differentiate Internet Artifacts, Browser & Mail Artifacts. | BTL1 | Remembering | | |
| 16 | Explain the rules for computer forensics in investigation. | BTL3 | Applying | | |
| 17 | What is Internet Artifacts? | BTL1 | Remembering | | |
| 18 | How will you find out the hidden data in forensics technology? | BTL2 | Understanding | | |
| 19 | What is Browser Artifacts? | BTL4 | Analyzing | | |
| 20 | Define RAID data acquisition. | BTL1 | Remembering | | |
| 21 | What is Mail Artifacts? | BTL1 | Remembering | | |
| 22 | Differentiate master boot record(MBR) and master file table(MFT) | BTL3 | Applying | | |
| 23 | How will you create new technology file system? | BTL1 | Remembering | | |
| 24 | Define hashing algorithms for forensic purpose. | BTL3 | Applying | | |
| 25 | Explain the rules for computer forensics in investigation. | BTL5 | Evaluating | | |

| | PART – B | | | | | |
|------|---|------|-------|---------------|--|--|
| Q.No | Question | | Level | Competence | | |
| 1 | Explain File System Abstraction Model in detail. (1 | 13) | BTL1 | Remembering | | |
| 2 | Explain Sleuth Kit and its tools in detail. | 13) | BTL3 | Applying | | |
| 3 | Explain in detail about computer Forensics and its four stages. (1 | 13) | BTL1 | Remembering | | |
| 4 | What is RAID and explain in detail about its various levels. (1 | 13) | BTL3 | Applying | | |
| 5 | Explain Forensics imaging. (1 | 3) | BTL6 | Creating | | |
| 6 | Discuss the steps for investigating routers. (1 | 3) | BTL5 | Evaluating | | |
| 7 | Explain e-mail forensic investigation methods. (1 | 3) | BTL4 | Analyzing | | |
| 8 | Briefly explain each of the following: Qualified forensic duplicate, restor | red | BTL4 | Analyzing | | |
| | image, mirror image. (13) | | | | | |
| 9 | Explain the process of investigating e-mail crimes and violation. (1 | 3) | BTL1 | Remembering | | |
| 10 | Explain importance of forensic duplication and its methods. (1 | 3) | BTL2 | Understanding | | |
| 11 | Write short note on NTFS disk. (1 | 3) | BTL4 | Analyzing | | |
| 12 | Write short note on laws related to computer forensics. (1 | 3) | BTL2 | Understanding | | |
| 13 | How will you trace the crime which has been happened through email us | sing | BTL1 | Remembering | | |
| | | 3) | | | | |
| 14 | Describe the levels of culpability. (1 | 3) | BTL2 | Understanding | | |
| 15 | Differentiate and explain in detail about Internet artifacts, Brower and m | ail | BTL2 | Understanding | | |
| | artifacts. (1) | 3) | | | | |
| 16 | Give the methods for steganalysis attack. (1 | 3) | BTL3 | Applying | | |
| 17 | Explain about pslogedo and netstatn. (1 | 3) | BTL5 | Evaluating | | |
| 18 | Summarize Forensic Ballistics and Photography in detail. (1 | (3) | BTL6 | Creating | | |

| | PART – C | | | | |
|-----|---|-----------|-------|------------|--|
| Q.N | Questions | | Level | Competenc | |
| 0 | | | | e | |
| | Briefly explain the role of the following tools in digital forensics: i) ne | tstat ii) | | | |
| 1 | pslogedon iii)tcptrace iv) netcat v) cryptcat | (15) | BTL5 | Evaluating | |
| | Write a short note on: | | | | |
| | 1) CFAA. | | BTL6 | Creating | |
| 2 | 2) Storage layer of file system. | (15) | BILO | Creating | |
| | Briefly explain the role of Windows registry in collecting forensic | | | | |
| 3 | | (15) | BTL5 | Evaluating | |
| | Briefly explain how the following roles are applied in investigation in | E-mail | BTL | Creating | |
| 4 | investigations and E-mail client and server. | (15) | 6 | | |
| | | | | | |
| 5 | How will you generalize the modes of protection. | (15) | BTL | creating | |
| | | | 6 | | |

UNIT V - LAWS AND ACTS

Laws and Ethics, Digital Evidence Controls, Evidence Handling Procedures, Basics of Indian Evidence ACT IPC and CrPC. Electronic Communication Privacy ACT, Legal Policies

| | PART – A | | | | | |
|------|---|-------|---------------|--|--|--|
| Q.No | Question | Level | Competence | | | |
| 1 | What is cyber law? | BTL4 | Analyzing | | | |
| 2 | What are the cyber laws in India? | BTL1 | Remembering | | | |
| 3 | What is section 43 in cyber law? | BTL3 | Applying | | | |
| 4 | What is section 66 and 66B in cyber law? | BTL1 | Remembering | | | |
| 5 | What is section 66C and 66D in cyber law? | BTL5 | Evaluating | | | |
| 6 | What are the four 4 ethical issues of cyber ethics? | BTL1 | Remembering | | | |
| 7 | What are the cyber laws in ethics? | BTL2 | Understanding | | | |
| 8 | What is electronic Communication Privacy ACT. | BTL2 | Understanding | | | |
| 9 | What is Indian Evidence ACT. | BTL4 | Analyzing | | | |
| 10 | What is Evidence? | BTL2 | Understanding | | | |
| 11 | What is Indian Evidence IPC? | BTL3 | Applying | | | |
| 12 | What is DOS attack? | BTL1 | Remembering | | | |
| 13 | What is Indian Evidence CrPC. | BTL6 | Creating | | | |
| 14 | Explain the term cyber terrorism. | BTL1 | Remembering | | | |
| 15 | Explain the term cyber theft. | BTL2 | Understanding | | | |
| 16 | How to write an incident report. | BTL3 | Applying | | | |
| 17 | How will you plan the most critical aspects of computer evidence? | BTL1 | Remembering | | | |
| 18 | Explain ethics for computer user. | BTL5 | Evaluating | | | |
| 19 | What is ethics for Information services. | BTL4 | Analyzing | | | |
| 20 | Explain Software Piracy. | BTL6 | Creating | | | |
| 21 | Write a note on Unauthorized Access. | BTL2 | Understanding | | | |
| 22 | What is code of ethics? | BTL3 | Applying | | | |
| 23 | Why the need of Cyber law arises? | BTL4 | Analyzing | | | |
| 24 | Explain IT Act in brief. | BTL5 | Evaluating | | | |
| 25 | List any four legal policies. | BTL1 | Remembering | | | |

| | PART - B | | | | |
|------|---|-------|---------------|--|--|
| Q.No | Question | Level | Competence | | |
| 1 | Explain cyber laws. (13) | BTL1 | Remembering | | |
| 2 | Explain the four 4 ethical issues of cyber ethics. (13) | BTL2 | understanding | | |
| 3 | Explain the various sections of cyber laws. (13) | BTL1 | Remembering | | |
| 4 | Explain the various Procedures for Evidence Handling. (13) | BTL3 | Applying | | |
| 5 | Explain the Indian Evidence ACT. (13) | BTL1 | Remembering | | |
| 6 | Explain following terms as mentioned in the IT Act 2000. (13) | BTL2 | Understanding | | |
| 7 | Explain the various benefits of cyber laws. (13) | BTL2 | understanding | | |
| 8 | Describe about Digital Evidence and its characteristics. (13) | BTL3 | Applying | | |

| 9 | What are the challenges in evidence handling. | (13) | BTL1 | Remembering |
|----|---|------------|------|---------------|
| 10 | What is incident and what are the goals of incident response?. | (13) | BTL4 | Analyzing |
| | Classify the different categories of cyber crime with examples of each. | Identify | BTL4 | Analyzing |
| 11 | the type of cyber-crime for each of the following situations: | | | |
| | (i)Hacking into a web server and defacing legitimate Web pages | (04) | | |
| | (ii)Introducing viruses, worms, and other malicious code into a netwo | ork or | | |
| | computer | (04) | | |
| | (iii)Unauthorized copying of copyrighted software, music, movies, art | ts, books. | | |
| | (iv)Internet gambling and trafficking | (05) | | |
| 12 | What is Evidence? explain the types of Evidence. | (13) | BTL4 | Analyzing |
| 13 | What is DOS attack? How to achieve recovery from DOS attack. | (13) | BTL5 | Evaluating |
| 14 | Explain the term cyber terrorism with example. | (13) | BTL6 | Creating |
| 15 | Explain the guidelines for incident report writing. | (13) | BTL3 | Applying |
| 16 | Explain the procedures to investigate routers. | (13) | BTL5 | Evaluating |
| 17 | Explain the cyber theft and its various types. | (13) | BTL2 | understanding |
| 18 | Summarize the Electronic Communication Privacy ACT in detail. | (13) | BTL6 | Creating |

| | PART – C | | | | | |
|------|---|-------|------------|--|--|--|
| Q.No | Question | Level | Competence | | | |
| 1 | Explain the basics of Indian Evidence ACT IPC and CrPC in detail. (15) | BTL6 | Creating | | | |
| 2 | Explain about cyber laws ,various sections of law and its advantages in detail (15) | BTL5 | Evaluating | | | |
| 3 | Explain about electronic Communication Privacy ACT. (15) | BTL5 | Evaluating | | | |
| 4 | List out the various Legal Policies (15) | BTL6 | Creating | | | |
| 5 | Explain about digital evidence and its benefits (15) | BTL6 | Creating | | | |