CMR INSTITUTE OF TECHNOLOGY

UGC AUTONOMOUS

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Department of Computer Science and Engineering

**Information and Cyber Security ASSIGNMENT-1**

**SET - 1**

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| S.No | Question | CO | PO |
| 1 | Explain a Model of a Network Security with neat diagram | 1 | PO-2,3,6,8,12,13 |
| 2 | Discuss various Risks and attacks types in Information and Cyber Security | 1 | PO-2,3,6,8,12,13 |
| 3 | How Criminals plan the attacks? explain | 2 | PO-2,3,6,8,12,13 |
| 4 | What is Social Engineering? Explain in detail | 2 | PO-2,3,6,8,12,13 |
| 5 | What is Cryptography? Explain Symmetric Key Cryptography. | 3 | PO-2,3,6,8,12,13 |

**SET - 2**

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| S.No | Question | CO | PO |
| 1 | Explain Security Mechanisms in Information and Cyber Security | 1 | PO-2,3,6,8,12,13 |
| 2 | What is breach? Explain the types of breaches? | 1 | PO-2,3,6,8,12,13 |
| 3 | Discuss Cyber Stalking in detail | 2 | PO-2,3,6,8,12,13 |
| 4 | What is Cybercrime? Explain how Cybercrimes happen in Cyber cafés and also write the various tips to protect us from Cybercrimes. | 2 | PO-2,3,6,8,12,13 |
| 5 | What is Cryptography? Explain Asymmetric Key Cryptography. | 3 | PO-2,3,6,8,12,13 |

**SET - 3**

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| S.No | Question | CO | PO |
| 1 | Discuss briefly about Security Principles, security services. | 1 | PO-2,3,6,8,12,13 |
| 2 | Define exploits. Elaborate information gathering techniques | 1 | PO-2,3,6,8,12,13 |
| 3 | Discuss in detail Botnets. | 2 | PO-2,3,6,8,12,13 |
| 4 | What is Cloud? Explain various risks associated with Cloud Computing. | 2 | PO-2,3,6,8,12,13 |
| 5 | What is Message Authentication Code(MAC)? Explain how MAC provides Authentication and Confidentiality? | 3 | PO-2,3,6,8,12,13 |

**SET - 4**

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| S.No | Question | CO | PO |
| 1 | What is threat? Explain in detail about threats. | 1 | PO-2,3,6,8,12,13 |
| 2 | Discuss Operating system Vulnerabilities and its possible attacks. | 1 | PO-2,3,6,8,12,13 |
| 3 | What is an Attack Vector? How criminals will launch the Attack Vectors. | 2 | PO-2,3,6,8,12,13 |
| 4 | What is Botnet? How Botnets creates the business to the criminals? | 2 | PO-2,3,6,8,12,13 |
| 5 | What is Digital Signature? Explain in detail. | 3 | PO-2,3,6,8,12,13 |