

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

B.Tech IV Year I Semester Regular Examinations February-2024

INFORMATION SECURITY MANAGEMENT

CSE (Internet of Things and Cyber security Including Block Chain Technology)

Time: 3 Hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

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|---|---|---|-----|----|----|
| 1 | a | Define Information Security. List out its characteristics. | CO1 | L3 | 6M |
| | b | Discuss in detail about components of Information Security. | CO1 | L2 | 6M |

OR

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|---|---|---|-----|----|----|
| 2 | a | Illustrate about CIA Triangle and explain. | CO1 | L4 | 6M |
| | b | Differentiate Subject of the Attack and Object of the Attack. | CO1 | L3 | 6M |

UNIT-II

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|---|---|---|-----|----|----|
| 3 | a | How Security helps in reducing business damage? Explain | CO2 | L2 | 6M |
| | b | Explain in detail about Threats and Categorize it in detail with examples | CO2 | L4 | 6M |

OR

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|---|---|--|-----|----|----|
| 4 | a | Differentiate the types of Attack in detail with example diagrams. | CO2 | L2 | 6M |
| | b | Write a short note on Attack Replication Vectors. | CO2 | L4 | 6M |

UNIT-III

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|---|---|---|-----|----|----|
| 5 | a | Explain in detail about Risk Identification and steps in it. | CO3 | L2 | 6M |
| | b | What is the term "Know Yourself and Know the Enemy" mean? How it helps Risk Management team to solve the Attacks? | CO3 | L3 | 6M |

OR

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|---|--|--|-----|----|-----|
| 6 | | Classify and prioritize the Assets in Risk Management Process. | CO3 | L2 | 12M |
|---|--|--|-----|----|-----|

UNIT-IV

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|---|---|---|-----|----|----|
| 7 | a | Explain about the Blueprint for Security in detail. | CO4 | L4 | 6M |
| | b | How Policy is framed for an organization? Explain its importance. | CO4 | L2 | 6M |

OR

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|---|---|---|-----|----|----|
| 8 | a | Discuss in detail about the types of Policies. | CO4 | L4 | 6M |
| | b | Differentiate in detail about Policy, Standard and Practices with neat diagram. | CO4 | L3 | 6M |

UNIT-V

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|---|---|--|-----|----|----|
| 9 | a | Define Security. Explain the layers of Security in detail | CO5 | L1 | 6M |
| | b | What is Internet Firewall? Illustrate Internet Protocol stack with neat diagram. | CO5 | L2 | 6M |

OR

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|----|---|---|-----|----|----|
| 10 | a | Distinguish Stateful firewall and Stateless firewall. | CO5 | L3 | 6M |
| | b | Classify Honey Pots, Honey Nets, and Padded Cell Systems. | CO5 | L2 | 6M |

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