

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

**B.Tech. IV Year I Semester Regular & Supplementary Examinations December-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**

- |   |   |     |    |    |
|---|---|-----|----|----|
| 1 | a What is Security? Outline the security layers, a successful organization should have. | CO1 | L2 | 6M |
|   | b List the types of end users and assess how security management helps them.            | CO1 | L5 | 6M |

**OR**

- |   |   |     |    |    |
|---|---|-----|----|----|
| 2 | a Differentiate Subject of the Attack and Object of the Attack. | CO1 | L4 | 6M |
|   | b Distinguish Top-Down approach and Bottom-up approach.         | CO1 | L4 | 6M |

**UNIT-II**

- |   |  |     |    |    |
|---|--|-----|----|----|
| 3 | a Explain in detail about Threats and Categorize it in detail with examples. | CO2 | L4 | 6M |
|   | b How to identify Vulnerability in Information. Deduce with steps in it.     | CO2 | L5 | 6M |

**OR**

- |   |   |     |    |    |
|---|---|-----|----|----|
| 4 | a How an organization protects the collected data before using it.                | CO2 | L2 | 6M |
|   | b What are the steps in protecting the functionality of an organization? Explain. | CO2 | L2 | 6M |

**UNIT-III**

- |   |  |     |    |    |
|---|--|-----|----|----|
| 5 | a Explain in detail about Risk Identification and steps in it. | CO3 | L2 | 6M |
|   | b Examine the Risk Factors of Information Security in detail.  | CO3 | L4 | 6M |

**OR**

- |   |   |     |    |    |
|---|---|-----|----|----|
| 6 | a Discuss in detail about Risk Control and its Strategies.            | CO4 | L2 | 6M |
|   | b Identify and Prioritize the Threats and Threat Agents with example. | CO4 | L3 | 6M |

**UNIT-IV**

- |   |   |     |    |     |
|---|---|-----|----|-----|
| 7 | Differentiate in detail about Policy, Standard and Practices with neat diagram. | CO5 | L3 | 12M |
|---|---|-----|----|-----|

**OR**

- |   |  |     |    |    |
|---|--|-----|----|----|
| 8 | a Identify the Objectives and drawbacks of ISO 17799.    | CO5 | L3 | 6M |
|   | b Dissect in detail about the sections in ISO/IEC 17799. | CO5 | L4 | 6M |

**UNIT-V**

- |   |   |     |    |     |
|---|---|-----|----|-----|
| 9 | Organize Firewall categorization methods in detail. | CO6 | L4 | 12M |
|---|---|-----|----|-----|

**OR**

- |    |   |     |    |    |
|----|---|-----|----|----|
| 10 | a Define Cryptography and explain the taxonomy of Security Goals. | CO6 | L2 | 6M |
|    | b Explain the Security Services provided by Cryptography.         | CO6 | L2 | 6M |

\*\*\* END \*\*\*

1. The first part of the document discusses the importance of maintaining accurate records.

2. It also highlights the need for regular audits to ensure compliance with regulations.

3. The following table provides a summary of the key findings from the audit.

4. The data indicates that there are several areas where improvements are needed.

5. These findings should be used to guide the development of corrective actions.

6. The next section details the specific recommendations for each identified issue.

7. It is expected that these measures will lead to a more robust and efficient system.

8. The final part of the report provides a conclusion and a list of references.

9. The overall goal is to ensure that all operations are conducted in a transparent and ethical manner.

10. The information presented here is intended to be a helpful resource for all stakeholders.

11. We look forward to your feedback and suggestions for further improvements.

12. Thank you for your attention and cooperation throughout this process.

13. The report is available in both English and Spanish versions.

14. For more information, please contact the audit team at the end of the document.

15. We appreciate your commitment to excellence and integrity.

16. The audit was conducted from January to March 2023.

17. The findings are based on a sample of records and interviews.

18. The report is confidential and should be handled accordingly.

19. The next steps are to implement the recommendations and report back.

20. We are confident that these changes will enhance our overall performance.

21. The audit team consists of experienced professionals from various backgrounds.

22. We are grateful for the support and assistance provided by all departments.

23. The report is a living document and will be updated as needed.

24. We are committed to continuous improvement and transparency.

25. The information is accurate as of the date of the audit.

26. We are pleased to have completed this audit successfully.

27. The findings are consistent with our previous audits.

28. We are looking forward to the next phase of our audit process.

29. The report is a key component of our annual compliance review.

30. We are dedicated to maintaining the highest standards of quality.

31. The audit was a collaborative effort involving all levels of the organization.

32. We are confident in the results and the path forward.

33. The report is a testament to our commitment to excellence.

34. We are proud of the progress we have made and the challenges we have overcome.

35. The audit is a critical part of our ongoing commitment to transparency.

36. We are grateful for the trust and confidence placed in us.

37. The report is a valuable tool for identifying areas of opportunity.