Notes Syllabus **Question Papers** Results and Many more...

www.binils.com

Available @

IT8073 INFORMATION SECURITY

IMPORTANT QUESTIONS AND QUESTION BANK

UNIT-I INTRODUCTION

2-Marks

- 1. Define information security?
- 2. What is security?
- 3. What are the multiple layers of security?
- 4. What are the characteristics of CIA triangle?
- 5. What are the characteristics of information security?
- 6. What is E-mail spoofing
- 7. What is UDF packet spoofing?
- 8. What are the measures to protect the confidentiality of information?
- 9. What is utility of information?
- 10. What are the components of information system?
- 11. What is the function of locks & keys?
- 12. What is network security?
- 13. Differentiate direct and indirect attacks.
- 14. What is SDLC?
- 15. What is methodology?
- S.COM 16. What are the phases of SDLC waterfall method?
- 17. What is enterprise information security policy?
- 18. What is risk Management?
- 19. What is the function of information security?
- 20. What is PKI?

- 1. Explain the critical characteristic of information?
- 2. Explain the components of an information system?
- 3. Explain SDLC in detail.
- 4. Explain sec SDLC in detail.
- 5. Explain the function of an information security organizations.
- 6. Define balancing security and access.
- 7. Explain NSTISSC security model.
- 8. Explain in detail about information security?

Notes
Syllabus
Question Papers
Results and Many more...

www.binils.com

Available @

UNIT-II SECURITY INVESTIGATION

2-Marks

- 1. What is a threat?
- 2. What are Hackers?
- 3. What are the levels of hackers?
- 4. What are script kiddies?
- 5. What is a phreaker?
- 6. What is Malicious code?
- 7. What are the types of viruses?
- 8. What are trojan horses?
- 9. What is a polymorphic threat?
- 10. What is intellectual property?
- 11. What is vulnerability?
- 12. What is the attack replication vectors?
- 13. What is a brute force attack?
- 14. What are sniffers?
- 15. What is social engineering?
- 16. What are the types of laws?
- 17. Differentiate private &public laws.
- 18. What is the fundamental principle of HIPAA?
- 19. What are the general categories of unethical and illegal behaviour?
- 20. What is deterrence?

13-Marks

- 1. Explain the categories of threat in detail?
- 2. Explain the types of attacks in detail?
- 3. Explain general computer crime Laws.
- 4. Explain ethical concepts in information security.
- 5. Explain an overview of computer security.
- 6. Explain ethical and professional issues
- 7. Explain integrity policies and Hybrid policies.
- 8. Explain in detail about access control matrix

UNIT-III SECURITY ANALYSIS

- 1. What is risk Management?
- 2. What are the communities of interest?
- 3. What are the responsibilities of the communities of interests?
- 4. Write about MAC.

Notes
Syllabus
Question Papers
Results and Many more...

www.binils.com

Available @

- 5. What is public key infrastructure certificate authority?
- 6. What is clean desk policy?
- 7. What is risk assessment?
- 8. What is likelihood?
- 9. What is residual risk?
- 10. What are policies?
- 11. What are the types of security policies?
- 12. What are the types of access control?
- 13. What are the risk control strategies?
- 14. What are the common methods for risk Avoidance?
- 15. What are the types of plans in Mitigation strategy?

13-Marks

- 1. Explain Risk Management in detail.
- 2. Explain Risk Identification in detail. Asset's identification & valuation.
- 3. Explain Risk assessment in detail.
- 4. Explain Risk control strategies in detail.
- 5. Explain Risk mitigation strategy selection
- 6. Explain identifying and Accessing Risk.
- 7. Explain Systems Access Control Mechanisms.
- 8. Explain information flow and confinement problem.

ow and confinement problem. UNIT-IV LOGICAL DESIGN

- 1. What are the commonly accepted information security principle?
- 2. What is benefit?
- 3. What is asset valuation?
- 4. What is a policy?
- 5. Differentiate mission &vision.
- 6. What is strategic planning?
- 7. What are the general group of system specific policy?
- 8. What is a capability table?
- 9. What is "agreed upon procedure"?
- 10. What is redundancy?
- 11. What is a firewall?
- 12. What is firewall subset?
- 13. What are DMZs?
- 14. What are the two version of IDS? Hot-based IDS.
- 15. What is contingency planning?

Notes
Syllabus
Question Papers
Results and Many more...

www.binils.com

s.com

Available @

13-Marks

- 1. Explain the types of policies in detail.
- 2. Explain NIST security models in detail.
- 3. Explain VISA International security model in detail.
- 4. Explain the design of security Architecture in detail.
- 5. Explain the major steps in contingency planning.
- 6. Explain information security policy, standards and practices in detail.
- 7. Explain the planning for continuity.
- 8. Explain the blueprint for security.

UNIT-V PHYSICAL DESIGN

2-Marks

- 1. What is intrusion?
- 2. What are IDS?
- 3. What is signature based IDSs?
- 4. What are honey pots?
- 5. What is the use of scanning and analysis tools?
- 6. What are the factors of authentication?
- 7. What is hash function?
- 8. What is PKI?
- 9. What is steganography?
- 10. What are the protocols used in secure internet communication?
- 11. What is physical security?
- 12. What are the controls of protecting the secure facility?
- 13. What are the basic types of fire detection system?
- 14. What is TEMPEST?
- 15. What is UPS? What is the type of UPS?

- 1. Explain protocols for secure communication in detail.
- 2. Explain staffing the security in detail.
- 3. Explain the fire safety in physical security.
- 4. Explain the Cryptographic algorithms in detail.
- 5. Explain IDS in detail.
- 6. Explain the type of encryption/decryption method.
- 7. Explain about RSA algorithm.
- 8. Explain about secret key encryption algorithm.
- 9. Explain Scanning and Analysis Tools in detail.
- 10. Explain firewalls in detail.