Cyber security

Important Questions

UNIT – I

SHORT QUESTIONS:

1. Cyber Security
2. Dos
3. Access control
4. Cyber War far
5. Cyber espionage
6. Ethical hacking
7. Firewall
8. Cryptography

LONG QUESTION

1. Explain various types of cyber threats.
2. Explain various vulnerabilities in software.
3. Explain the cyber security safeguard.

UNIT-II

SHORT QUESTIONS

1. http and https
2. SOAP
3. Web application
4. Web service
5. Web server
6. IAM

LONG QUESTIONS

1. What are security needs for HTTP services?
2. Explain SOAP services. (risks and security practices).
3. How do web services facilitate identity management across organizational boundaries? (Or) Explain IAM.
4. Explain various types of Authorization Patterns.
5. What are cybersecurity challenges?

UNIT-III

SHORT QUESTIONS

1. Who is intruder? what are the type of intruders?
2. What is intrusion?
3. Advantages of network IPS.
4. Host based Vs network IPS
5. Write about system integrity validation.

LONG QUESTIONS

1. Explain the classification of IDS. (OR) explain the types of IDS.
2. What is malware and its types?
3. Write about anti-malware software.
4. Explain IPS and its types.
5. What Does Network-based Intrusion Prevention System (NIPS) Mean?
6. What Does Host-Based Intrusion Prevention System (HIPS) Mean?

UNIT-IV

SHORT QUESTIONS

1. Cryptography
2. Symmetric cryptography
3. Asymmetric cryptography
4. Message authentication
5. Digital signatures
6. Firewall
7. VPN
8. PGP
9. S/MIME
10. SSL
11. TSL
12. IPSec

LONG QUESTIONS

1. Explain Cryptography and its Types.
2. Write about message authentication.
3. What is digital signature? How do they work?
4. What are the applications of cryptography?
5. What is firewall? How does it work?
6. What are the types of firewall? Explain.
7. What is VPN? How VPN helpful in providing security in networks?
8. Explain application layer security? (OR) explain a) PGP b)S/MIME?

9. Explain how security is maintained at transport layer? (OR) explain a)SSL b) TSL
10. Write about network layer security?(OR) explain IPsec?

UNIT-V

SHORT QUESTIONS

1. Cyber Space
2. Cyber Law
3. Cyber Forensics
4. Email Header

LONG QUESTIONS

1. Write notes on cyber security regulations.
2. What is cyber law? What is the importance of cyber alw?
3. Explain the role of international law in cyber security.
4. Write about cyber security standards.
5. What are the main objective of National Cyber Security Policy 2013?
6. Explain investigation process in cyber forensics.(OR) explain digital forensics investigation.
7. Explain disk based analysis in cyber security.
8. Elaborate the process of validating e-mail header.
9. Discuss the process of tracing internet access.
10. Explain how to trace memory in real time.