Unit 1
Shorts
1. What is the CIA?
2. Define security goals?
3. What is an exploit?List out its types?
4. What is a security breach?
5. What is a threat?
6. Define risk?
7. List Out different application attacks?
8. What does the incident response team do?

Long
1. Explain security services and mechanisms?
2. Explain about network security models with a neat diagram?
3. Explain in detail about the attacks and its types?
4. Explain how attackers gather information?
5. Describe the cracking techniques?
6. Explain in detail about financial frauds?
7. What is reverse engineering and how does it work?
8. Explain about application attacks?

Unit2
Shorts
1. Define Cybercrimes?
2. What is cyber stacking?
3. Define botnet?
4. What is an attack vector?
5. Define social engineering?

Longs
1. Describe how criminals plan an attack?
2. Explain the classification of cybercrimes?
3. What is social engineering and explain its type and prevention?
4. Explain in detail about botnets?
5. Explain Cloud security in detail?
6. Explain the cybercrimes in cyber cafes?

Unit-3
Short questions
1. Differentiate between Symmetric and Asymmetric Cryptography?
2. What is cryptography?
3. What is message authentication code?
4. List out the applications of cryptography?
5. What is a firewall?
6. What is VPN Security?
7. Describe PGP services?
8. Explain modes of IPSec?
9. Compare transport and tunnel mode?
10. What is S/MIME?
11. Draw the structure of SSL?
12. Draw the structure of TLS?
13. Define Openssl?
14. What is message digest or fingerprint?
15. Define Steganography?
16. List out the tools for steganography?
17. Differentiate between different versions of the SHA algorithm?

Long Questions
1. Explain with a neat diagram about Symmetric/Asymmetric Cryptography?
2. Explain about Digital Signatures?
3. Define firewall? Explain its types?
4. Explain Email Security?
5. Explain in detail about PGP?
6. Describe what S/MIME does for email security?
7. Explain the protocols of SSL?
8. Explain TLS protocol?
9. Explain IPSec with a neat sketch?
10. Explain in detail about authentication header(AH)?
11. Explain in detail about Encapsulating Security Payload(ESP)?
12. Explain in detail about the SHA512 algorithm?
13. Explain MD5 ?

Unit-4
Shorts
1. What is the crisis?
2. Define Security certificate?
3. List out different security standards?
4. What is a cyber security Audit?

5. Describe the asset classification?

Long
1. Explain Risk assessment and Management?
2. Explain Crisis management plan?
3. Explain in detail about security Testing?
4. Explain how logging and analysis works for an organization?

Unit 5
Shorts
1. Write the provisions of ITAct 2000?
2. What is policy?
3. What is a security policy?
4. List out different types of security policies?
5. Describe corporate policy?
6. What is semiconductor law?
7. What is a software license?
8. Describe sample security policy?
9. What is intellectual property rights(IPR)?

Long

1. Explain the patent law?
2. Explain policy review process in an organization?
3. Explain copyright law?
4. Explain the need for cyber laws in India?
5. Describe IT Act 2000 with provisions?
6. What is ISO? Explain its standards?
7. Explain in detail about the security policies?