# Paper Code: OE-IT701B

# Paper Name: Cyber Law & Security Policy

# Short Answer Type Questions

**Module1: A. Introduction, B. Steps & Categories of Cyber Crime [10L]**

1. Summarize the various categories of hackers and explain their functionalities.
2. i) List the various needs of cyber security policies.
   ii) Differentiate between software attacks and hardware attacks.
3. Compare and contrast between cybercrime and cyber terrorism with proper example. [6]
4. Categorize the different types of vulnerabilities.
5. Analyze the role of CIA triad in dealing with vulnerabilities.
6. Classify Cyber Crimes and Categorize Cyber Criminals?
7. Write short note on: Cryptography & Cyber security [5]
8. 'Social Networking is increasingly becoming a source of cybercrime' – Explain.      [5]
9. Discuss about Email spoofing and Email spamming. [5]
10. Differentiate between Black hat Hackers and White hat Hackers.[4]
11. Write down the steps of 'Cyber Attack' and explain each step. [5]
12. Mention various methods of ID Theft and its consequences leading to monitory loss and social defamation. [5]
13. Categorize and elaborate the various motive of attackers using a block diagram. [7]

**Module2 : Cybercrime Mobile & Wireless devices [ 5L]**

1. What is Cyber Crime? What is the role of Cyber Café in cyber crime ?[5]
2. Discuss how 'perception' makes people least suspect cyber security threats through mobile hand held devices. What measures do you recommend against this situation? [2+5]
3. What kind of attacks are possible on mobile/cell phones ? Explain with examples.  [4]
4. 'Bring Your Own Device' movement causes security issues in workplace – write your views on allowing personal laptops in workplace. [6 ]
5. Write full form of IMEI. Mention the method of getting IMEI number and role of IMEI number in tracing your lost/stolen mobile phone. [1+4]
6. What is Trojan Horse? How can your laptop be protected from it?    [5]

**Module3: Tools and Methods used in Cyber crime [5L]**

1. Mention the differences between threat and an attack. [3]
2. What is buffer overflow? Discuss about the types of buffer overflow [5]
3. Define Cyber stalking. How stalking works? [2+2]

4. Explain the difference between passive and active attacks. [4]
5. What are DoS and DDoS attack?  What are the steps to protect DoS/ DDoS attack. [ 2+5]
6. Discuss the role of Cloud computing in cyber security.     [5]
7. What are different types of Identity Theft? Describe them in brief.  [2+5]
8. What is Software Piracy? Discuss about it's preventive measures. [2+4]
9. Steganography and its effect on Cyber security[5]
10. Define virus and worm in the context of software attack. Explain the role of 'ZERT' in handling 'zero day attack'. [5]
11. Explain the types of Social Engineering and the role it plays in cyber crime. [5]
12. Define proxy server and explain the role of proxy server in cyber security. [5]

## Module 4: Cyber Forensics

1. Describe Cyber Forensics and mention its role in collecting digital evidence.  [7]
2. Elaborate the steps in forensic analysis of email. [3]
3. Mention the various tools involved in email forensics. [5]
4. Explain the various challenges faced in computer forensics. [5]
5. Illustrate the phases involved in Digital Forensics Life Cycle with a proper diagram.  [5]
6. Discuss the detailed steps of 'Digital Evidence Documentation' process while handling forensics evidences for legal framework. [10]
7. Explain the precautions required during storage and transport of digital evidence . [5]
8. "Maintaining Chain of custody is important in Digital Forensics" –Mention the components of this chain and why this is important [8]
9. Explain cyberspace with respect to the concept cyber forensics. [5]

## Module 5: Cyber Laws & Ethics

1. Elaborate," Cyber law play a vital role against person, property and government to protect all valuable information and rights."     [15]
2. Does the IT Act 2000, also mention about the cyber crimes against the government? If yes, the elaborate with proper example. [5]
3. Write the positive aspects of IT Act 2000. [5]
4. Explain the legal aspect of any type of the e-commerce with reference to cyber security and IT Act, 2000. [10]
5. Write short note on: Impact of Indian IT ACT on IT industry  [5]
6. Write short note on: Public Key certificate  [5]
7. Write short note on: Cyber crime & punishment in Indian scenario. [5]
8. Write the weak areas of IT Act 2000. [5]