

IMSC CSF Sem.8 Examination

ICSF 408

Cyber Forensic & Investigation

Time : 2.30 Hours]

May-2025

[Max. Marks : 70

Question 1 Answer the following questions:

- i. What are the steps involved in handling a cybercrime incident? Write about the importance of maintaining a chain of custody. 7Marks
- ii. Mention any two types of digital storage devices used in investigations. 7Marks

OR

- i. What is cybercrime? Give any four examples. 7Marks
- ii. Define cyber forensics and list its two main objectives. 7Marks

Question 2 Answer the following questions:

- i. Explain how a fake social media account is investigated. 7Marks
- ii. What is phishing? Describe how it is detected. What is data theft? Give two examples. 7Marks

OR

- i. How is a credit card fraud case handled using cyber forensics? 7Marks
- ii. What is Denial of Service (DoS)? How is it harmful? 7Marks

Question 3 Answer the following questions:

- i. Explain the offence of publishing or transmitting obscene and sexually explicit material in electronic form under Indian cyber law. 7Marks
- ii. Explain definition of cyber terrorism under the Indian IT Act. How does it differ from other computer offences in terms of intent, impact, and punishment, justifying its higher legal seriousness? 7Marks

OR

- i. What are the roles and responsibilities of intermediaries as defined and regulated under the Indian Information Technology Act, 2000 (as amended). Evaluate the legal obligations imposed upon these entities, considering the scope of their due diligence requirements and their potential liability for third-party content. 7Marks
- ii. Describe the penalties imposed for misrepresentation and breach of confidentiality under Indian cyber law. 7Marks

(P.T.O)

Questions 4 Answer the following questions:

- i. What is digital evidence? Write its importance. Explain the steps for collecting digital evidence. 7Marks
- ii. What is eDiscovery? Mention one use. 7Marks

OR

- i. What is encryption and why is it important? 7Marks
- ii. Write about ethical rules in cyber forensics. 7Marks

Questions 5: Attempt any Seven out of Twelve.

14 Marks

1. What are cyber forensics?
2. Give one example of a cybercrime.
3. What is the full form of IP?
4. What is metadata?
5. What is a fake profile?
6. What does DoS stand for?
7. Mention one cyber fraud example.
8. Mention one step in the evidence collection process.
9. What is the purpose of using write blockers?
10. Mention one step in the evidence collection process.
11. State the punishment for the offence of identity theft under Indian cyber law.
12. Which section of the IT Act provides penalties for publishing sexually explicit content involving children, and what is the key distinction in punishment?

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