

# **CYBER SECURITY ASSIGNMENT QUESTION**

## **DAY 78**

- 1.Explain the concept of live forensics and its importance in digital investigations. Discuss the challenges and techniques involved in conducting live forensic analysis of a running computer system.**
- 2. Discuss the process and techniques involved in memory forensics analysis. Explain how memory forensics tools are used to extract and analyze volatile data from system memory to uncover evidence of malicious activities or security breaches.**
- 3.Explore the challenges and benefits of live forensics and memory forensics in incident response and cybersecurity investigations. Discuss how these forensic techniques help investigators identify and respond to security incidents, malware infections, and data breaches in real-time.**
- 4.Discuss the role of live forensics and memory forensics in malware analysis and reverse engineering. Explain how these forensic techniques are used to analyze and dissect malware samples, understand their behavior, and develop effective mitigation strategies.**
- 5. Explore the applications of live forensics and memory forensics in cybersecurity incident response. Discuss how these forensic techniques are used to investigate security breaches, data exfiltration incidents, and insider threats, and develop effective incident response strategies.**