

CYBER SECURITY ASSIGNMENT QUESTION

DAY 74

- 1.Explain the concept of anti-forensic techniques and their impact on digital investigations. Discuss strategies and countermeasures for defeating anti-forensic methods used to evade detection and obfuscate digital evidence.**
- 2. Discuss the fundamentals of hard disks and file systems in digital forensics. Explain the structure, organization, and components of hard disk drives (HDDs) and common file systems such as NTFS, FAT32, and ext4.**
- 3.Explain the role of operating system forensics in digital investigations. Discuss techniques and tools used to acquire, analyze, and interpret digital evidence from operating system artifacts such as registry hives, event logs, and user profiles.**
- 4.Discuss the challenges and techniques of conducting cloud forensics in cloud environments. Explain how forensic investigators gather and analyze digital evidence stored in cloud services such as Amazon Web Services (AWS), Microsoft Azure, or Google Cloud Platform (GCP).**
- 5. Explain the process of investigating email crimes in digital forensics. Discuss techniques and tools used to trace email communications, analyze email headers, and recover deleted emails for forensic examination.**