

# Question Paper

Exam Date & Time: 02-May-2024 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal School of Information Sciences (MSIS), Manipal  
Second Semester Master of Engineering - ME (Cyber Security) Degree Examination - April / May 2024

### Digital Forensic Sciences and Cyber Laws [CYS 5202]

**Marks: 100**

**Duration: 180 mins.**

**Thursday, May 02, 2024**

**Answer all the questions.**

- 1) Describe the Laws and principles of forensic science. (10 Marks) CO1 L3 (10)
- 2) Summarize Assessment phase of digital forensics process. (10 Marks) CO1 L3 (10)
- 3) Articulate the Daubert Standard. Explain when this standard would be used in a criminal case. (2+8 Marks) CO1, L3 (10)
- 4) Explain digital forensics first responder role, toolkit, and cardinal rules (2+4+4 Marks) CO1, L3. (10)
- 5) Articulate what is a file system and explain NTFS file system (3+7 Marks) CO2, L4. (10)
- 6) Explain OOXML (Office Open XML) and explain the anatomy of an OOXML document (3+7 Marks) CO2, L4. (10)
- 7) Summarize what Cyber Law is and why do we need it (2+8 Marks) C03 L3 (10)
- 8) Explain the following offences included in the IT Act 2000. (5+5 Marks) C03 L3 (10)
  - a. Section 65. Tampering with computer source documents
  - b. Section 66. Hacking with the computer system
- 9) Explain the key features of Digital Personal Data Protection Bill, 2023. (10 Marks) CO3 L3 (10)
- 10) Explain the Incident Response Lifecycle. (10 Marks) CO3 L3 (10)

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