

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2EXAMINATION- 2025

M.Tech-II Semester (IS)

COURSE CODE (CREDITS):18M11CI214

MAX. MARKS: 25

COURSE NAME: Digital Forensics

COURSE INSTRUCTORS: RVS

MAX. TIME: 1 Hour 30 Min

Note:(a)All questions are compulsory.

(b) The candidate is allowed to make suitable numeric assumptions wherever required for solving problems

| Q.No | Question | CO | Marks |
|------|---|-----------|-------|
| Q1. | What are challenges in digital forensics investigation. | CO1 | 2 |
| Q2. | What are important steps in the digital investigation process is to prepare for evidencesearch and seizure. | CO2 | 3 |
| Q3. | Explain commonly used file systems in windows, Linux and Mac OS. | CO4 | 5 |
| Q4. | What is main function of computer forensic tools. Explain in detail. | CO3 | 5 |
| Q5. | Differentiate between computer forensics hardware and software tools. Explain some of them. And provide example where you will choose software tools over hardware tools. | CO4 | 5 |
| Q6. | <ul style="list-style-type: none"> a) The standards for testing forensics tools are based on ISO 17028. (T/F) b) forensics organization has created criteria for testing computer forensic tools. c) NIST testing procedures are valid only for government agencies. (T/F) d) How many bytes does a disk drive sector typically contain? e) List two hashing algorithms commonly used for forensic purposes. | CO 2-4 | 5 |