

QP CODE: 24900072



Reg No:.....

Name:.....

MAHATMA GANDHI UNIVERSITY, KOTTAYAM
FIRST SEMESTER MGU-UGP (HONOURS) REGULAR
EXAMINATION NOVEMBER 2024

First Semester

**Discipline Specific Core Course - MG1DSCCFS100 - INTRODUCTION TO DIGITAL
FORENSICS AND TOOLS**

(2024 ADMISSION ONWARDS)

Duration: 1.5 Hours

Maximum Marks: 50

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Interest (I),
Appreciation (Ap), and Skill (S)**

*Students should attempt atleast one question from each course outcome to enhance their overall
outcome attainability.*

[Learning Domain][CO No(s)]

Part A

Short Answer Type Questions

Answer any 10 questions

Each question carries 1 marks

- | | | |
|---|---|----------|
| 1 | Describe File carving. | [U] [1] |
| 2 | Explain the term forensic Science. | [U] [1] |
| 3 | Describe Link files. | [U] [2] |
| 4 | Describe Metadata. | [U] [2] |
| 5 | Explain Removable storage media. | [U] [2] |
| 6 | Summarize the role of forensic examiners in the judicial system | [U] [1] |
| 7 | Interpret the concept of eDiscovery. | [U] [3] |
| 8 | Outline the concept of obfuscation. | [An] [3] |
| 9 | Outline the fourth amendment in digital forensic is important? illustrate the | [An] [3] |

significant.

- | | | | |
|----|---|------|-----|
| 10 | Implement the need for using the FTK tool in digital forensics. | [A] | [4] |
| 11 | Categorize the forensic tools used to collecting data. | [An] | [4] |
| 12 | What is FDAC? | [A] | [4] |

(10 × 1 = 10)

Part B

Short Essay Type Questions
Answer any 4 questions
Each question carries 5 marks

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|----|--|-----|-----|
| 13 | Explain in detail the Windows registry structure. | [U] | [1] |
| 14 | Explain policies and procedures involved in handling evidence. | [U] | [1] |
| 15 | Discuss the two options to collect evidence from a cell phone. | [U] | [2] |
| 16 | Explain Hashing. | [U] | [2] |
| 17 | Explain the concept of FDE. | [U] | [3] |
| 18 | What is PD Server? | [A] | [4] |

(4 × 5 = 20)

Part C

Essay Type Questions
Answer any 2 questions
Each question carries 10 marks

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|----|---|------|-----|
| 19 | Explain in detail about Hibernation file. | [U] | [1] |
| 20 | Describe about evidence storage. | [U] | [2] |
| 21 | Explain one of the network investigative tool and illustrate different type of networks | [An] | [3] |

(2 × 10 = 20)

END OF THE QUESTION PAPER
