QP CODE: 24900074

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

FIRST SEMESTER MGU-UGP (HONOURS) REGULAR EXAMINATION NOVEMBER 2024

First Semester

Multi-Disciplinary Course - MG1MDCCFS101 - DATA RECOVERY

(2024 ADMISSION ONWARDS)

Duration: 1.5 Hours   Maximum Marks: 35

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	Identify the primary function of a hard disk drive's read/write head.	[U]	[1]
2	Identify the full form of RPM.	[U]	[1]
3	Define Data loss .	[U]	[1]
4	Define Firmare.	[U]	[1]
5	Discuss about hard drive structure.	[U]	[1]
6	Define rotational latency.	[U]	[2]
7	List any 2 characteristics of viruses .	[U]	[3]
8	List any two data recovery softwares .	[U]	[2]
9	Write the use of R-Studio.	[A]	[4]
10	Write the use of FDAC.	[A]	[4]

| 11 | Disk imaging creates a file that represents the entire contents of a disk.Identify the typical file extension for such images. | [U] | [2] |

| 12 | List common causes of accidental deletion of data . | [U] | [3] |

$(10 \times 1 = 10)$

Part B
Short Essay Type Questions
Answer any 3 questions
Each question carries 5 marks

| 13 | Discuss the role of actuator arm in hard disk drive architecture. | [U] | [1] |

| 14 | Differentiate Anti-virus and anti-malware . | [U] | [2] |

| 15 | Examine features of Extended File Allocation Table. | [U] | [3] |

| 16 | Write the uses of R Drive disk imaging tool. | [A] | [4] |

$(3 \times 5 = 15)$

Part C
Essay Type Questions
Answer any 1 questions
Each question carries 10 marks

| 17 | Explain the various components of a hard disk with a diagram. | [U] | [1, 3] |

| 18 | Illustrate how disk partitioning is performed. | [A] | [4] |

$(1 \times 10 = 10)$

END OF THE QUESTION PAPER
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