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| **MALLA REDDY UNIVERSITY** |
| **SoE - B.Tech Computer Science & Engineering** |
| III Year - II Semester Minor-II Examination |
| **Subject: DOS Subject Code**: **MR221CS0159** |
| Date: 15/04/2025 Duration: **1 Hour 15 Min.** Max. Marks: **15 M** |



**R-22**

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| **Hall Ticket No.** |  |  |  |  |  |  |  |  |  |  |  |  |

**Note**: *Answer any Three Questions. All Questions Carry Equal Marks* 3\*5 = 15 M

**Unit-III**

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| 1) | What is Synchronization in distributed operating system and explain briefly about it? | 5 M |
| 2) | Explain about mutual exclusion in distributed operating system? | 5 M |

**Unit-IV**

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| 6) | Explain in detail about stack pointer in Distributed System threads? | 5 M |
| 7) | Outline about ACID properties in Distributed System? | 5 M |
| 8) | Summarize about Processors allocation in distributed system? | 5 M |
| 9) | Outline about the topic scheduling in distributed system? | 5 M |
| 10) | Explain the difference between Decentralization and Centralization in DOS? | 5 M |

**Unit-V**

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| 11) | Elaborate about deadlocks in Distributed System? | 5 M |
| 12) | Explain about the trends in distributed file system? | 5 M |
| 13) | Explain about the implementation of distributed file system? | 5M |
| 14) | Explain the difference between process and threads in distributed system memory? | 5M |
| 15) | Elaborate about consistency model in distributed system? | 5M |

**Signature of the Faculty Dean-CSE**