

Reg. No: 

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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**  
(AUTONOMOUS)

**M.Tech I Year I Semester Regular & Supplementary Examinations May/June-2022**

**DISTRIBUTED SYSTEMS**

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

**UNIT-I**

- |   |   |    |    |
|---|---|----|----|
| 1 | a Illustrate Client-Server Communication with examples. | L3 | 4M |
|   | b Explain about Resource Sharing and Web in detail.     | L2 | 4M |

OR

- |   |  |    |    |
|---|--|----|----|
| 2 | a Explain about Interprocess Communication in UNIX.            | L3 | 6M |
|   | b What is API for Internet protocols and explain it in detail? | L1 | 6M |

**UNIT-II**

- |   |  |    |    |
|---|--|----|----|
| 3 | a Define Events and Notifications in Distributed Objects . | L1 | 6M |
|   | b Explain about Process and Threads.                       | L2 | 6M |

OR

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|---|---|----|----|
| 4 | a Describe Remote Procedure Calls in details. | L6 | 4M |
|   | b Discuss about Java RMI .                    | L2 | 8M |

**UNIT-III**

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|---|---|----|-----|
| 5 | Illustrate Name services and Domain Name System used in Distributed File Systems. | L6 | 12M |
|---|---|----|-----|

OR

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|---|---|----|----|
| 6 | a Write in detail about Directory Services.           | L2 | 6M |
|   | b Describe Sun Network File System with neat diagram. | L6 | 6M |

**UNIT-IV**

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|---|---|----|----|
| 7 | a Explain about Elections in distributed Systems. | L2 | 6M |
|   | b Explain about Domain Name Systems.              | L2 | 6M |

OR

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|---|--|----|----|
| 8 | a Discuss Briefly Clocks, Events, Process States . | L2 | 6M |
|   | b Explain Synchronizing physical Clocks.           | L2 | 6M |

**UNIT-V**

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|---|---|----|----|
| 9 | a Describe CORBA with suitable examples.                  | L6 | 6M |
|   | b Write about Design issues of Distributed Shared memory. | L2 | 6M |

OR

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|----|--|----|----|
| 10 | a Explain design and implementation issues in distributed shared memory. | L2 | 6M |
|    | b Discuss in detail CORBA Services.                                      | L2 | 6M |

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