

O.P.Code: 25CS5802

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H.T.No.

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

M.Tech I Year I Semester Regular Examinations January-2026

DISTRIBUTED OPERATING SYSTEMS

(Computer Science & Engineering)

Time: 3 Hours

Max. Marks: 60

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

UNIT-I

1 Discuss communication primitives and their role in distributed systems. CO1 L1 12M

OR

2 Illustrate the concept of vector clocks and causal ordering. CO1 L3 12M

UNIT-II

3 Compare different distributed deadlock control organizations. CO3 L4 12M

OR

4 Illustrate the architecture of a distributed file system. CO3 L3 12M

UNIT-III

5 Analyze failure recovery and fault tolerance mechanisms. CO4 L4 12M

OR

6 Explain load distributing algorithms in distributed scheduling. CO3 L2 12M

UNIT-IV

7 Define protection and explain the access matrix model. CO1 L1 12M

OR

8 Illustrate safety issues in the access matrix model. CO3 L3 12M

UNIT-V

9 Explain multiprocessor system architectures. CO1 L1 12M

OR

10 Analyze distributed database systems. CO4 L4 12M

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