

O.P.Code: 24mca109	Regulation 2021	H.T.No.											
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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR

(AUTONOMOUS)

MCA I Year II Semester Regular & Supplementary Examinations June/July-2025

PYTHON

Time: 3 Hours

Max. Marks: 60

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

UNIT-1

1 a) What is minimum – cost spanning tree? [L1][CO5] [4M] b) Prepare an algorithm for Prim's with example. [L3][CO5] [8M]

OR

2 a) What is a Stack? What are the operations that perform on a stack? [L1][CO2] [6M] b) What is a Queue? What are the operations that perform on a Queue? [L1][CO2] [6M]