

**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  $5 \times 12 = 60$  Marks)**UNIT-1**

- 1 a) Design an algorithm to insert an element at beginning of circularly linked list. CO L M  
[L3][CO2] [6M] b) Design an algorithm to delete an element at end of circularly linked list. [L3][CO2] [6M]

**OR**

- 2 a) What do you mean by searching? What are the types of searching? [L1][CO4] [6M] CO L M  
b) Differentiate various searching techniques. [L4][CO4] [6M]