

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

**M.Tech I Year I Semester Regular & Supplementary Examinations February-2025**

**PYTHON PROGRAMMING**

(Computer Science and Engineering)

**Time: 3 Hours**

**Max. Marks: 60**

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

**UNIT-I**

- |   |   |   |     |    |    |
|---|---|---|-----|----|----|
| 1 | a | Write history of Python.                  | CO1 | L3 | 6M |
|   | b | List features and applications of Python. | CO1 | L1 | 6M |

**OR**

- |   |   |  |     |    |    |
|---|---|--|-----|----|----|
| 2 | a | What is Indentation? Explain with example.         | CO1 | L1 | 6M |
|   | b | Explain variable assignment with suitable example. | CO1 | L2 | 6M |

**UNIT-II**

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|---|---|--|-----|----|----|
| 3 | a | What is an expression in Python? Explain order of evaluation with example. | CO2 | L1 | 6M |
|   | b | Write a python program to find whether a given number is even or odd.      | CO2 | L3 | 6M |

**OR**

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|---|---|--|-----|----|----|
| 4 | a | List and explain different arithmetic operators supported by Python. | CO2 | L1 | 6M |
|   | b | Explain the Bitwise operators with example.                          | CO2 | L2 | 6M |

**UNIT-III**

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|---|---|---|-----|----|----|
| 5 | a | Define function and explain the types of functions with an example. | CO3 | L1 | 6M |
|   | b | Express function to do all arithmetic operations.                   | CO3 | L2 | 6M |

**OR**

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|---|---|---|-----|----|----|
| 6 | a | Define Variable-length arguments? Explain with example. | CO3 | L1 | 6M |
|   | b | Explain about fruitful functions with examples.         | CO3 | L2 | 6M |

**UNIT-IV**

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|---|---|--|-----|----|----|
| 7 | a | Describe about name spacing.                   | CO4 | L2 | 6M |
|   | b | Explain about the import statement in modules. | CO4 | L2 | 6M |

**OR**

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|---|---|---|-----|----|----|
| 8 | a | What is package in Python? Explain, how can you use package in your program with an example code? | CO4 | L3 | 6M |
|   | b | Explain try except block in detail.   | CO4 | L2 | 6M |

**UNIT-V**

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|---|---|--|-----|----|----|
| 9 | a | Describe in detail about Iterators and Generators with an example. | CO6 | L2 | 6M |
|   | b | Explain about Functional Programming.                              | CO6 | L4 | 6M |

**OR**

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|----|---|--|-----|----|----|
| 10 | a | Write about Dates and Times.             | CO5 | L3 | 6M |
|    | b | Write about the writing files in python. | CO2 | L3 | 6M |

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