

Reg. No:

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

B.Tech II Year I Semester Regular Examinations May-2022

PYTHON PROGRAMMING

CSE (Artificial Intelligence & Machine Learning)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

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|---|---|--|----|----|
| 1 | a | What is Indentation? Explain with example. | L1 | 6M |
| | b | Explain variable assignment with suitable example. | L2 | 6M |

OR

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|---|---|---|----|----|
| 2 | a | Explain about the Single-Valued data types in python. | L2 | 6M |
| | b | What is Set? Explain set Operations. | L1 | 6M |

UNIT-II

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

OR

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|---|---|---|----|----|
| 4 | a | What are the different loop control statements available in Python? Explain with suitable examples. | L1 | 6M |
| | b | Write a Python program to find sum of natural numbers. | L3 | 6M |

UNIT-III

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

OR

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

UNIT-IV

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

OR

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|---|---|---|----|----|
| 8 | a | Describe the types of namespaces in Python. | L2 | 6M |
| | b | Explain about the from import statement in modules. | L5 | 6M |

UNIT-V

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|---|---|----------------------------------|----|----|
| 9 | a | Discuss about maps in python. | L2 | 6M |
| | b | Discuss about filters in python. | L2 | 6M |

OR

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

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