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

B.Tech III Year II Semester Regular Examinations July-2021

PYTHON PROGRAMMING

(Open Elective-I)

Time: 3 hours

Max. Marks: 60

PART-A

(Answer all the Questions 5 x 2 = 10 Marks)

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|---|---|----|----|
| 1 | a How do you check the presence of a key in a dictionary? | L1 | 2M |
| | b Which operator is used to check value/variable in the sequence? | L1 | 2M |
| | c How do we write a function in Python? | L1 | 2M |
| | d List few Built-in Exceptions in Python. | L1 | 2M |
| | e Define Turtle in Python. | L1 | 2M |

PART-B

(Answer all Five Units 5 x 10 = 50 Marks)

UNIT-I

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|---|---|----|----|
| 2 | a What is dictionary? Explain the methods available in dictionary. | L1 | 6M |
| | b Implement the python program to calculate total and average marks based on input. | L3 | 4M |

OR

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|---|--|----|----|
| 3 | a Difference Between Single-Valued data types and Multi-Valued Data types with an example. | L1 | 6M |
| | b What is Indentation? Explain with example. | L1 | 4M |

UNIT-II

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|---|---|----|----|
| 4 | a Create a Python program to display Fibonacci series. | L6 | 4M |
| | b Explain break and continue statement with the help of for loop with an example. | L2 | 6M |

OR

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|---|---|----|----|
| 5 | a What is an expression in Python? Explain order of evaluation with example. | L1 | 6M |
| | b Create a python program to generate the multiplication table based on user input. | L6 | 4M |

UNIT-III

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|---|--|----|----|
| 6 | a Discuss about key word arguments with example. | L2 | 5M |
| | b Distinguish global and local variables with example. | L4 | 5M |

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|---|--|----|----|
| 7 | a Compare method overloading and overriding. | L2 | 6M |
| | b Describe about class constructor (<code>_init_()</code>) with example. | L3 | 4M |

UNIT-IV

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|---|---|----|----|
| 8 | a What are packages? Give an example of package creation in Python. | L3 | 5M |
| | b Create code to illustrate try and except statements in Python. | L6 | 5M |

OR

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|---|---|----|----|
| 9 | a List some few common Exception types and explain when they occur. | L1 | 5M |
| | b Write a small code using try-except-else-finally statement in python. | L3 | 5M |

UNIT-V

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|----|---|----|----|
| 10 | a Illustrate about Python Runtime Services. | L4 | 5M |
| | b Illustrate about Command line arguments. | L4 | 5M |

OR

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| 11 | Explain about Functional Programming. | L4 | 10M |
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END