

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech II Year II Semester Regular & Supplementary Examinations June-2024
PYTHON PROGRAMMING

(Common to CSE, CSIT, CIC & CCC)

Time: 3 Hours

Max. Marks: 60

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

UNIT-I

- | | | | | |
|---|------------------------------------------------------------|-----|----|----|
| 1 | a Explain the variable and keywords with suitable example. | CO1 | L1 | 6M |
| | b What is Indentation? Explain with example. | CO1 | L2 | 6M |

OR

- | | | | | |
|---|------------------------------------------------------|-----|----|-----|
| 2 | Demonstrate the String and its Methods with example. | CO1 | L2 | 12M |
|---|------------------------------------------------------|-----|----|-----|

UNIT-II

- | | | | | |
|---|---------------------------------------------------------------------------------------------------|-----|----|----|
| 3 | a Explain the Logical operators with example. | CO2 | L1 | 6M |
| | b Rate the order of execution of different Expressions by evaluating them through python program. | CO2 | L5 | 6M |

OR

- | | | | | |
|---|----------------------------------------------------------------------------------|-----|----|-----|
| 4 | Illustrate different Conditional statements in python with appropriate examples. | CO3 | L2 | 12M |
| | i) if ii) if-else iii) i) if-elif-else iv) nested if | | | |

UNIT-III

- | | | | | |
|---|-----------------------------------------------------------|-----|----|----|
| 5 | a Define Variable-length arguments? Explain with example. | CO3 | L1 | 6M |
| | b Express function to do all arithmetic operations. | CO3 | L1 | 6M |

OR

- | | | | | |
|---|----------------------------------------------|-----|----|----|
| 6 | a Define Class and Object with example code. | CO4 | L1 | 6M |
| | b Illustrate lambda function with example. | CO3 | L3 | 6M |

UNIT-IV

- | | | | | |
|---|--------------------------------------------------------------------------|-----|----|----|
| 7 | a List the steps to create a 1D array and 2D array in numpy. | CO4 | L1 | 6M |
| | b Write a python code using try-except-else-finally statement in python. | CO4 | L3 | 6M |

OR

- | | | | | |
|---|------------------------------------------------------------------------------------|-----|----|----|
| 8 | a Analyze the term : PIP. Explain installing packages via PIP. | CO6 | L3 | 6M |
| | b What is Regular expression in python? Illustrate searching with example program. | CO5 | L2 | 6M |

UNIT-V

- | | | | | |
|---|-----------------------------------------------------------------|-----|----|----|
| 9 | a Create a Python Program to display the current date and time. | CO5 | L6 | 6M |
| | b Demonstrate about the GUI programming in Python –Triangle. | CO6 | L2 | 6M |

OR

- | | | | | |
|----|---------------------------------------------------|-----|----|----|
| 10 | a Explain Data Management and Object Persistence. | CO5 | L1 | 6M |
| | b Discuss about Functional Programming. | CO6 | L4 | 6M |

*** END ***

481