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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**(AUTONOMOUS)****B.Tech III Year I Semester Supplementary Examinations August-2021****PYTHON & R PROGRAMMING****(Computer Science & Information Technology)**

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Discuss about the history and evolution of python. **6M**
 b Discuss about Running Python Scripts. **6M**

OR

- 2 a Explain in detail about Membership and Identity Operators in Python. **6M**
 b Explain about Break statement in Python. **6M**

UNIT-II

- 3 a Explain any four bitwise operators in detail used in Python. **8M**
 b Explain any one method of passing arguments to a function in Python. **4M**

OR

- 4 a Discuss about from import statement with detailed example. **7M**
 b Explain about calling function with one example. **5M**

UNIT-III

- 5 a Discuss about Constructor Method in Python. **6M**
 b Discuss in detail about Self Variable in Python. **6M**

OR

- 6 a Differentiate between error and exception. **5M**
 b Write about Self argument with suitable example. **7M**

UNIT-IV

- 7 a Explain the procedure for reading data in R. **6M**
 b Explain concepts for reading data in R. **6M**

OR

- 8 a Describe about Matrix in R. **6M**
 b Explain briefly about Data Frame in R. **6M**

UNIT-V

- 9 a Demonstrate about Box-Whisker Plots. **6M**
 b Demonstrate about Scatter Plots. **6M**

OR

- 10 a Write briefly about Line Charts. **6M**
 b Describe about Bar Charts. **6M**

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