R13

Code: 13A05806

B.Tech IV Year II Semester (R13) Regular & Supplementary Examinations April 2018
PYTHON PROGRAMMING
(Computer Science and Engineering)

Time: 3 hours   Max. Marks: 70

PART – A
(Compulsory Question)
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1   Answer the following: (10 X 02 = 20 Marks)
   (a)   List out any three applications of Python programming.
   (b)   Write the indentation rules followed in Python.
   (c)   What is the purpose of identity operator? Give example.
   (d)   What are the steps to run a python script.
   (e)   What are the features of Tuple data structure?
   (f)   What are the uses of Dictionary data structure in Python?
   (g)   How to handle variable arguments in a function?
   (h)   What are the differences between error and exception?
   (i)   Give an example code for defining a class in python.
   (j)   List out any four library for GUI programming in Python.

PART – B
(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2   (a)   Write a history about python programming in chronological order.
    (b)   Describe about the specialty of python and its needs.
OR
3   Write a python program to get a list of names from keyboard and display the list in sorted order.

UNIT – II

4   Elaborate the available types of operators in python with example code segment.
OR
5   Describe about various control flow statements used in Python with examples.

UNIT – III

6   (a)   What is a sequence in python? Write a simple program to explain sequence.
    (b)   Discuss the various operations that can be performed on a set and dictionary (minimum 5) with an example program.
OR
7   (a)   Explain how to create comprehension list in Python with an example.
    (b)   Describe various built-in functions for manipulating list data structure in python.

UNIT – IV

8   (a)   Define a python function to swap two variables values.
    (b)   Write a suitable program to explain passing default arguments to a function.
OR
9   (a)   Write steps to create a package in python.
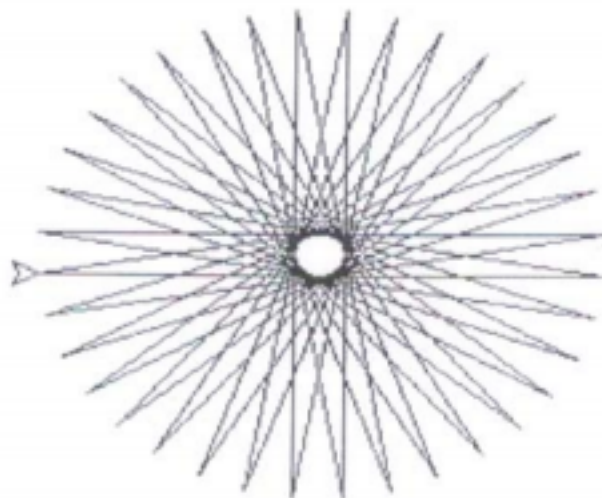   (b)   Explain how to handle scope of variables in python.

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UNIT – V

10 (a) Write a turtle graphics program to draw a following emblem.

(b) Write short not on math library used in Python.

OR

11 (a) Describe about various OS interfaces available in python.

(b) Explain how to create a simple test case for a simple class definition in python.

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